Christopher Charles Stewart
2015 Neil Ave
Columbus, OH 43210

Curriculum Vitae, January 2021
cstewart@cse.ohio-state.edu
http://www.cse.ohio-state.edu/~cstewart/

Research Interests

Autonomic and Autonomous Systems, Sustainable computing, Performance modeling, Resource management and operating systems support, Data management, Interdisciplinary research

Tenure-Track Employment

Associate Professor, June 2016 – Present
Department of Computer Science and Engineering

Assistant Professor, September 2009 – May 2016
Department of Computer Science and Engineering
The Ohio State University, Columbus, OH

Post-Doctoral Research, January 2008 – June 2009
Department of Computer Science
University of Rochester, Rochester, NY

Professional Appointments

Visiting Faculty Member, January 2019 – May 2019
University of Michigan, Ann Arbor, MI

Faculty in Residence, January 2016 – January 2018
Translational Data Analytics Institute
The Ohio State University, Columbus, OH

Diversity & Inclusion Chair, January 2011 – Present
Department of Computer Science and Engineering.

Education

Ph.D. in Computer Science, University of Rochester	2008
M.S. in Computer Science, University of Rochester	2005
B.S. in Computer Science, Morehouse College	2003

Professional Accomplishments and Highlights

Tech Transfer

Delivered smart classroom platform for Columbus metro school system (1300 end users).	2018
Oversaw the creation of TDAI Data Commons, a university-wide repository for data sets.	2017
Developed job scheduling algorithm for genetic analysis at Nationwide Children's Hospital.	2013
Developed performance modeling product for Internet services at Hewlett Packard.	2009

Education and Outreach

Median student evaluation of instruction (SEI) score 4.6 out of 5.	2018
Advised OSU ACM-W and helped grow membership by 5.8X, active executive board by 2.5X, corporate sponsorship by 4X and sent over 150 students to the Grace Hopper Celebration	2018
Co-chair of Workshop on Diversity in Systems Research (Diversity).	2013

Leadership

Led the most successful fund raising effort ever for Ohio Conference on Women in Computing (OCWIC) as academic sponsorship co-chair	2019
Program committee co-chair for IEEE International Conference on Autonomic Computing.	2017
Editor and co-founder of IEEE STC on Sustainable Computing (600 members).	2011

Keynotes and Distinguished Lectures

1. *Distinguished Lecture*, "Data-Driven Management for Autonomous Systems", National Chung Hsing University International Forum on Autonomous Unmanned Aerial Vehicle Application (2019)
2. *Distinguished Lecture*, "Smart Columbus: Powered by Integrated Data Exchange (IDE)", 2019 Smart City Summit & Expo: Technology, Application and Innovation for Smart Cities (2019)
3. *Keynote*, "Translational Data Analytics Institute: An approach to solve real, hard problems", Workshop on Big Data for Nuclear Power Plants (2018)
4. *Keynote*, "Smart Columbus: Powered by Integrated Data Exchange (IDE)", Midwest Big Data Hub at University of Michigan (2017)
5. *Invited Speaker*, "Efficient and Sustainable Models for the Next Generations of Internet Services", Presented at Rutgers University, Northwestern University and Georgia Tech (2014)
6. *Invited Panelist,* "Quality-aware Data Intensive Services", Big-Data Management session at ICAC Conference (2014)
7. *Invited Speaker,* "Adaptive Green Hosting." Presented at Morehouse College (NSF M-WISE). (2012)
8. *Invited Speaker,* "A Key Value Store that Supports Strict SLAs and the Applications that Need it." Presented at Microsoft Research Labs, VMWare, Pacific Northwest National Labs and Google (2012)
9. *Invited Speaker,* "Modeling and Management for Internet Services." Presented at University of Indiana/Purdue University at Indianapolis. (2010)

Publications

Maxwell Taylor, Haicheng Chen, Christopher Stewart and Feng Qin, "AVIS: In-Situ Model Checking for Unmanned Aerial Vehicles" In: IEEE Conference on Dependable Systems and Networks, 2021

MD Yang, JG Boubin, HP Tsai, HH Tseng, YC Hsu and C Stewart, "Adaptive Autonomous UAV Scouting for Rice Lodging Assessment Using Edge Computing with Deep Learning EDANet" In: Computers and Electronics in Agriculture 179, 105817, 2020

B Varghese, N Wang, D Bermbach, CH Hong, E de Lara, W Shi and C Stewart, "A Survey on Edge Benchmarking" In: ACM Computing Surveys, 2020

Zichen Zhang, Jayson Boubin, Christopher Stewart and Sami Khanal, Whole-Field Reinforcement Learning: A Fully Autonomous Aerial Scouting Method for Precision Agriculture, MPDI Sensors 20 (22), 6585, 2020

Jayson Boubin, Naveen Babu, Christopher Stewart, John Chumley and Shiqi Zhang, "Managing Edge Resources for Fully Autonomous Aerial Systems" In: ACM Symposium on Edge Computing, 2019

Naveen Babu and Christopher Stewart, "Revisiting Online Scheduling for AI-Driven Internet of Things" In: ACM Symposium on Edge Computing (Poster Session),2019

Eduardo Romero, Christopher Stewart and Nathaniel Morris, "Fast Inference Services for Alternative Deep Learning Structures" In: ACM Symposium on Edge Computing (Poster Session), 2019

Naveen Babu and Christopher Stewart, "Energy, Latency and Staleness Tradeoffs in AI-Driven IoT" In:

Workshop on Hot Topics in the Web of Things,2019

ME Rodgers, E Franz, A Chalker, DE Hudak, C Stewart and R Machiraju, "Data Commons to Support University-Wide Cross Discipline Research" In: Proceedings of the Practice and Experience in Advanced Research Computing on Rise of the Machines (learning), 2019

Christopher Stewart, "Continuous Adaptive Runtime Integration Testbed for Complex and Autonomous Systems" In: IEEE National Aerospace and Electronics Conference, 2019

Shiqi Zhang and Christopher Stewart, "Computational Thinking Curriculum for Unmanned Aerial Systems" In: IEEE National Aerospace and Electronics Conference, 2019

Jianru Ding, Ruiqi Cao, Indrajeet Saravanan, Nathaniel Morris and Christopher Stewart, "Characterizing Service Level Objectives for Cloud Services: Realities and Myths" In: IEEE International Conference on Autonomic Computing, 2019

Jayson Boubin and John Chumley and Christopher Stewart and Sami Khanal, "Autonomic Computing Challenges in Fully Autonomous Precision Agriculture" In: IEEE International Conference on Autonomic Computing, 2019

Chariot-towards a continuous high-level adaptive runtime integration testbed
CM Barnes, K Bellman, J Botev, A Diaconescu, L Esterle, C Gruhl, ...
2019 IEEE 4th International Workshops on Foundations and Applications o

Zichen Xu, Christopher Stewart and Jiacheng Huang, "Elastic, geo-distributed RAFT" In: ACM International Symposium on Quality of Service, 2019

Jaimie Kelley and Nathaniel Morris, "Rapid In-situ Profiling of Colocated Workloads" In: IEEE Workshop on Data Center Performance, 2019

Zichen Xu, Christopher Stewart and Jiacheng Huang, "RAFTing Over on Geo-Diverse Spot Markets" In: IEEE Workshop on Data Center Performance , 2019

Venkata Mandadapu and Christopher Stewart, "Using Game Theory to Manage Self-Aware Unmanned Aerial Systems" In: IEEE International Workshops on Foundations and Applications of Self* Systems, 2018

Nathaniel Morris and Christopher Stewart and Lydia Chen and Robert Birke and Jaimie Kelley,"Model-driven Computational Sprinting" In: ACM European Conference on Computer Systems, 2018

Jayson Boubin and Shiqi Zhang and Venkata Mandadapu and Christopher Stewart, "Characterizing Computational Workloads in UAV Applications" In: IEEE Internet-of-Things Design and Implementation, 2018

Rashmi Rao and Christopher Stewart and Arnuflo Perez and Siva Renganathan, "Assessing Learning Behavior and Cognitive Bias from Web Logs" In: IEEE Frontiers in Education 2018

Siva Meenakshi Renganathan and Christopher Stewart and Arnulfo Perez and Rashmi Rao and Bailey Braaten. "Preliminary Results on an Interactive Learning Tool for Early Algebra Education" In:IEEE Frontiers in Education (FIE), 2017

Nathaniel Morris and Christopher Stewart and Robert Birke and Lydia Chen, "Early Work on Modeling Computational Sprinting" In: Poster Session at Symposium on Cloud Computing (SOCC), 2017

Aniket Chakrabarti and Srinivasan Parthasarathy and Christopher Stewart. "A Pareto Framework for Data Analytics on Heterogeneous Systems: Implications for Green Energy Usage and Performance" In: International Conference on Parallel Processing (ICPP), 2017

Jaimie Kelley and Christopher Stewart and Nathaniel Morris and Devesh Tiwari and Yuxiong He and Sameh Elnikety. “Obtaining and Managing Answer Quality for Online Data-Intensive Services” In ACM Transactions on Modeling and Performance Evaluation of Computing Systems (TOMPECS), 2017

Nathaniel Morris and Siva Meenakshi Renganathan and Christopher Stewart and Robert Birke and Lydia Chen. “Sprint Ability: How Well Does Your Software Exploit Bursts in Processing Capacity?” In: International Conference on Autonomic Computing (ICAC), 2016

Jaimie Kelley and Christopher Stewart and Devesh Tiwari and Saurabh Gupta. “Adaptive Power Profiling for Many-Core HPC Architectures” In: International Conference on Autonomic Computing (ICAC), 2016

Aniket Chakrabarti and Christopher Stewart and Srini Parthasarathy. “Green- and Heterogeneity-Aware Partitioning for Data Analytics” In: International Workshop on Green and Sustainable Networking and Computing, 2016

Zichen Xu and Christopher Stewart and Nan Deng and Xiaorui Wang. “Blending On-Demand and Spot Instances to Lower Costs for In-Memory Storage” In: IEEE International Conference on Computer Communications (INFOCOM) , 2016 Winner Best-In-Session Presentation

Nan Deng, Zichen Xu, Christopher Stewart and Xiaorui Wang. “Tell-Tale Tails: Decomposing Response Times for Live Internet Services” In: IEEE International Green and Sustainable Computing Conference (IGSC), 2015

Christopher Stewart and Jing Li. “Power-Utilization Provisioning for Data Centers” In: IEEE International Green and Sustainable Computing Conference (IGSC) , 2015

Jamie Kelley and Christopher Stewart and Devesh Tiwari and Yuxiong He and Sameh Elnikey and Nathaniel Morris. “Measuring and Managing Answer Quality for Online Data-Intensive Services” In: International Conference on Autonomic Computing. , 2015

Zichen Xu and Nan Deng and Christopher Stewart and Xiaorui Wang. “CADRE: Carbon-Aware Data Replication for Geo-Diverse Services” In: International Conference on Autonomic Computing, 2015

Christopher Stewart and Jaimie Kelley. "Tortoises and Hares Among Online Data-Intensive Queries" In: Wild and Crazy Ideas of ASPLOS (WACI). (2015): 1-2. (Published), 2014

Nan Deng and Zichen Xu and Christopher Stewart and Xiaorui Wang. "From the Outside Looking In: Probing Web APIs to Build Detailed Workload Profiles" In: USENIX Workshop on Feedback Computing, 2014

Sundeep Kambhampati, Jaimie Kelley, William C.L. Stewart, Christopher Stewart, and Rajiv Ramnath. "Managing Tiny Tasks for Data-Parallel, Subsampling Workloads" In: IEEE Conference on Cloud Engineering, 2013

Jaimie Kelley, Christopher Stewart, Sameh Elnikety, and Yuxiong He. "Cache Provisioning for Interactive NLP Services" In: ACM Workshop on Large and Distributed Systems (LADiS), 2013

Jaimie Kelley and Christopher Stewart. "Balanced and Predictable Networked Storage" In: Workshop on Data Center Performance, 2013

Christopher Stewart, Aniket Chakrabarti, and Rean Griffith. "Zoolander: Efficiently Meeting Very Strict, Low-Latency SLOs" In: USENIX International Conference on Autonomic Computing, 2013

Nan Deng, Chen Li, Christopher Stewart, and Xiaorui Wang. "MantisMail: Green Content Delivery for

Email" In: Poster Session of USENIX Conference on Networked Systems Design and Implementation (NSDI), 2012

Aniket Chakrabarti and Christopher Stewart. "Zoolander: efficient latency management in NoSQL stores" In: Proceedings of the Posters and Demo Track for Middleware, 2012

Jaimie Kelley and Christopher Stewart. "Graduated Locality-Aware Scheduling for Search Engines" In: Proceedings of the Posters and Demo Track for Middleware, 2012

Nan Deng, Christopher Stewart, Jaimie Kelley, Daniel Gmach and Martin Arlitt. "Adaptive Green Hosting" In: International Conference on Autonomic Computing, 2012

Nan Deng, Christopher Stewart, Daniel Gmach, and Martin Arlitt. "Policy and Mechanism for Carbon-Aware Cloud Applications" In: IEEE Network Operations and Management Symposium, 2011

Christopher Stewart and Jing Li. "Power Provisioning for Diverse Datacenter Workloads" In: Workshop on Energy-Efficient Design (WEED), 2011

Nan Deng, Christopher Stewart, and Jing Li. "Concentrating Renewable Energy in Grid-Tied Datacenters" In: IEEE Symposium on Sustainable Systems Technology, 2011 Awarded 3rd Best Paper out of more than 140 submissions

Christopher Stewart, Kai Shen, Arun Iyengar, and Jian Yin. "EntomoModel: Understanding and Avoiding Performance Anomaly Manifestations" In: Symposium on Modeling, Analysis and Simulation of Computer and Telecommunication Systems (MASCOTS), 2010 Awarded Best Paper.

Christopher Stewart and Kai Shen. "Some Joules Are More Precious Than Others: Managing Renewable Energy in the Datacenter" In: Workshop on Power Aware Computing and Systems, 2009

Kai Shen, Christopher Stewart, Chuanpeng Li, and Xin Li. "Reference-Driven Performance Anomaly Identification" In: International Conference on Measurement and Modeling of Computer Systems, 2009

Christopher Stewart and Kai Shen. "Configuration-Space Performance Anomaly Depiction" In: Workshop on Large Scale Distributed Systems and Middleware, 2008

Christopher Stewart, Matthew Leventi, and Kai Shen. "Empirical Examination of A Collaborative Web Application" In: IEEE International Symposium on Workload Characterization, 2008

Robbert van Renesse, Rodrigo Rodrigues, Mike Spreitzer, Christopher Stewart, Doug Terry, and Franco Travostino. "Challenges Facing Tomorrow's Datacenter: Summary of the LADiS Workshop" In: Workshop on Large Scale Distributed Systems and Middleware, 2008

Terence Kelly, Kai Shen, Alex Zhang, and Christopher Stewart. "Operational Analysis of Parallel Servers" In: Modeling, Analysis, and Simulation of Computer and Telecommunication Systems. Baltimore, MD, United States, 2008

Christopher Stewart, Terence Kelly, Alex Zhang, and Kai Shen. "A Dollar From 15 Cents: Cross-Platform Management for Internet Services" In: USENIX Annual Technical Conference, 2008

Kai Shen, Alex Zhang, Terence Kelly, Christopher Stewart. "Operational Analysis of Processor Speed Scaling" In: Symposium on Parallelism in Algorithms and Architectures, 2008

Kai Shen, Ming Zhong, Sandhya Dwarkadas, Chuanpeng Li, Christopher Stewart, and Xiao Zhang. "Hardware Counter Driven On-the-Fly Request Signatures" In: Conference on Architectural Support for Programming Languages and Operating Systems, 2008

Zhikui Wang, Xue Liu, Alex Zhang, Christopher Stewart, Xiaoyun Zhu, and Terence Kelly. "AutoParam: Automated Control of Application-Level Performance in Virtualized Server Environments" In: Feedback Control Implementation and Design in Computing Systems and Networks, 2007

Christopher Stewart, Terence Kelly, and Alex Zhang. "Exploiting Nonstationarity For Performance Prediction" In: European Conference on Computer Systems, 2007

Peter Derosa, Kai Shen, Christopher Stewart, and Jonathon Pearson. "Realism and Simplicity: Disk Simulation for Instructional OS Performance Evaluation" In: Technical Symposium on Computer Science Education, 2006

Mick Jordan and Christopher Stewart. "Adaptive Middleware for Component-Level Deployment" In: Workshop on Adaptive and Reflective Middleware, 2005

Christopher Stewart and Kai Shen. "Performance Modeling and System Management for Multi-component Online Services" In: Symposium on Networked Systems Design and Implementation, 2005

Christopher Stewart, Kai Shen, Sandhya Dwarkadas, Michael L. Scott, and Jian Yin. "Profile-driven Component Placement for Cluster-based Online Services" In: Work In Progress at International Middleware Conference, 2004

Select Journal Papers
Chistopher Stewart and Vishakha Gupta, "The 2013 Workshop on Diversity in Systems Research". ACM SIGOPS Operating System Review. (In Press), 2013

David Chiu, Christopher Stewart, and Bart McManus, "Electric Load Balancing through Low-Cost Workload Migration". ACM SIGMETRICS Performance Evaluation Review. Vol. 40, no. 3: 6. 2012. (Published)

Kai Shen, Ming Zhong, Sandhya Dwarkadas, Chuanpeng Li, Christopher Stewart, and Xiao Zhang, "Hardware counter driven on-the-fly request signatures". ACM SIGOPS Operating System Review. Vol. 42, 2008

Christopher Stewart, Terence Kelly, Alex Zhang, "Exploiting nonstationarity for performance prediction". ACM SIGOPS Operating System Review. Vol. 41, no. 3: 31-44. 2007. (also in Eurosys 2007)

Patents

1. Kelly, Terence P., Alex X. Zhang, and Christopher C. Stewart. "Determining performance of an application based on transactions." U.S. Patent No. 7,720,955. 18 — 2010

2. Wang, Zhikui, Xue Liu, Alex Zhang, Christopher Stewart, Xiaoyun Zhu, Terence Kelly, and Sharad Singhal. "Dynamically resizing a virtual machine container." U.S. Patent 8,566,835 — 2013

3. Kelly, Terence, Alex Zhang, and Christopher Stewart. "Application performance analysis for a multiple processor queuing station." U.S. Patent 8,798,960 — 2014

Honors and Awards

CSE Department Award for Outstanding Teaching, Recognizes faculty, staff, and students for noteworthy accomplishments "above and beyond" expectations by peer vote — 2019

Central Ohio Tech Power Players Award (1 of 3 finalists), Recognizes early-career leaders that impacting technology development and education in central Ohio — 2019

Tau Beta Pi Eminent Engineer, Achieved senior level distinction in advance of his or her peers for distinguished scholarship and exemplary character 2019

ACM-W Student Chapter Excellence Award, Recognizes ACM-W chapters worldwide that display considerable initiative"] (I am the ACM-W advisor) 2017

Best-In-Session Award, International Conference on Computer Communications (INFOCOM) 2016

RevisionPath.com Honoree recognized as a leading African American in web technology 2014

CAREER Award, National Science Foundation most prestigious award in support of junior faculty 2014

3rd Best Paper, IEEE International Symposium on Sustainable Systems Technology (ISSST) 2011

Best Paper, IEEE Symposium on Modeling, Analysis and Simulation of Computer and Telecommunication Systems (MASCOTS) 2010

Research Funding

IIS:EAGER:Benchmarks for Autonomous Unmanned Aerial Vehicles in Agriculture Applications. National Science Foundation. ($224, 993, Total Award)
PI: Christopher Stewart (no co-PIs)

CNS:Travel Support for the 2017 International Conference on Autonomic Computing. National Science Foundation. ($15,000, Total Award)
PI: Christopher Stewart (no co-PIs)

II-EN: Collaborative Research: Enhancing the Parasol Experimental Testbed for Sustainable Computing. National Science Foundation. ($13,797, OSU Portion of $1M)
PI: Thu Nguyen (Rutgers), Lead-PI from OSU: Christopher Stewart

Assessing the Impact of Computer Modeling and Programing in Secondary Algebra. National Science Foundation. ($1,201,385, Total Award)
PI: Arnuflo Perez, co-PI: Christopher Stewart and Kathy Malone

CAREER: Carbon Footprint Modeling and Elastic Caching for Greening Services. National Science Foundation. ($501,930 , Total Award)
PI: Christopher Stewart (no co-PIs)

CSR: SHF: SMALL: Efficient, Low-Latency Networked Storage. National Science Foundation. ($488,756 , Total Award)
PI: Christopher Stewart (no co-PIs)

EAGER: Design and Implementation of a Renewable Adaptive Cluster. National Science Foundation. ($200,000 , Total Award)
PI: Christopher Stewart (no co-PIs)

Amazon Web Services Equipment Grant. Amazon. ($2,000 , Total Award) Research Grant
PI: Christopher Stewart

Microsoft Support for The Workshop on Diversity in Systems Research. Microsoft Corporation. ($3,000 , Total Award)
PI: Christopher Stewart and Vishakha Gupta

Travel Support for The 6th Workshop on Diversity in Systems Research (Diversity '13). National Science Foundation. ($4,000 , Total Award)
PI: Christopher Stewart

NCWIT ASPIRE Grant. National Center for Women & Information Technology. ($5,000 , Total Award)
PI: Christopher Stewart and David Herman

Professional Service

Conference and Workshop Organization
ACM Middleware, Finance Chair 2017
ACM OCWIC Academic Sponsorship Co-Chair 2018
IEEE ICAC Program Committee Chair 2017
ACM TAPIA Conference Poster Session Chair 2016, 2017
ACM OCWIC Financial Co-Chair 2017
USENIX ICAC/ATC Poster Session 2014
ACM Workshop on Diversity in Systems Research 2013

Program Committees
IEEE ICAC 2017, USENIX ATC 2017, IEEE ICDCS 2017, ACM ASPLOS 2015, IEEE ICAC 2015, IEEE IC2E 2015, IEEE CAC 2015, USENIX ATC 2014, IEEE/USENIX ICAC 2014, ACM SIGMETRICS 2014, ACM Greenmetrics 2013, IWQoS 2013, USENIX ICAC 2013, ACM Sigmetrics 2013, ACM Greenmetrics, ACM SIGMETRICS, ACM GreenMetrics 2011, Data Center Performance (DCPerf) 2010, IEEE/IFIP Dependable Systems and Networks (DSN) 2010, ACM GreenMetrics 2010, International Conference on Parallel Processing (ICPP) 2010, Dependable Systems and Networks (DSN) 2009, USENIX HotDep 2009

Student Advising

PhD Alumni
Jaimie Kelley, 2017. First Employment: Tenure-Track Faculty at Denison University

Aniket Chakrabarti, 2017. (co-advised with Srini Parthasarathy). First Employment: Research Scientist at Microsoft

Zichen Xu, 2016. First employment: Tenure-Track Nanchang University

Nan Deng, 2015. First employment: Google

PhD Students
Nathaniel Morris. The Ohio State University

Jayson Boubin. The Ohio State University

Naveen Tukmur Ramesh Babu, The Ohio State University

Zichen Zhang, The Ohio State University

Eduardo Romero Gainza, The Ohio State University

Graduated Masters Students
Indrajeet Saravanan, Thesis: "Exploring Computational Sprinting in New Domains." The Ohio State University. Graduate 2019. First Employment: Amazon

Manjukumar Patil, Interactive STEM Curriculum: Technological Tools and Programming Interface. The Ohio State University. Graduated 2019. First Employment: Amazon

Venkata Mandadapu, Using Game Theory to Manage Self-Aware Unmanned Aerial Systems. The Ohio State University. Graduated 2018. First Employment: Expedia

Rashmi Rao. Thesis: "Modeling learning behaviour and cognitive bias from web logs" The Ohio State University. Graduated 2017. First Employment: Google

Siva Meenakshi Renganathan. Thesis: "An Interactive Learning Tool for EarlyAlgebra Education: Design, Implementation and Evaluation." The Ohio State University. Graduated 2017. First Employment: Apple

Puja Gupta. Thesis: "Characterization of Performance Anomalies in Hadoop." The Ohio State University. Graduated 2015. First Employment: Qualcomm
Jianwei Tu. An Implementation of RepFlow in Thrift. The Ohio State University. Graduated 2014. First Employments: Amazon

Sundeep Kambhampati. Thesis: "Managing Tiny Tasks in Data-Parallel Subsampling Workloads.' The Ohio State University, Columbus, Ohio . Graduated:2014. First Employments: CICSCO

Umang Vipal. Graph Benchmarks for Systems Research. The Ohio State University. Graduated:2014. First Employments: A2Z, Inc.

Chen Li. GreenMail: Reducing Email Service's Carbon Emission with Minimum Cost. The Ohio State University, Columbus, Ohio . Graduated:2013. First Employments: Erricson

Daiyi Yang. Zoolander: A Key Value Store Providing High SLA. The Ohio State University. Graduated:2011. First Employments: StumbleUpon.com Developer.

Jing Li. Power Provisioning for Diverse Datacenter Workloads,. The Ohio State University. Graduated:2011. First Employments: MLB.com Developer.

Undergraduate Students

Stephanie Muhammad, The Ohio State University. Graduated: 2016 First Employments: Exact Software

Xiaoran Hu. The Ohio State University. Graduated: 2014 First Employments: Graduate Student at University of Souther California

Alexander Bunch. Thesis: "Caching for Sustainability". The Ohio State University. Graduated:2012. First Employments: Graduate Student at Carnegie Mellon University.

Teaching

Date	**Course**	**Enroll-ment**	**Student Evaluation**
Fall 2020	3244 Data Management in the Cloud	35	Overall SEI: 4.1/5.0
Spring 2020	3244 Data Management in the Cloud	60	Overall SEI: 3.8/5.0
Fall 2019	3244 Data Management in the Cloud	40	Overall SEI: 4.5/5.0
Fall 2018	3244 Data Management in the Cloud	19	Overall SEI: 4.4/5.0
Fall 2017	3421 Introduction to Computer Architecture	37	Overall SEI: 4.7/5.0
Fall 2017	5429 Autonomous IoT at the Edge	16	Overall SEI: 4.7/5.0
Spring 2017	3244 (4194) Data Management in the Cloud	19	Overall SEI: 2.9/5.0

Date	Course	Enroll-ment	Student Evaluation
Spring 2016	3421 Introduction to Computer Architecture	36	Overall SEI: 4.6/5.0
Spring 2016	6421 Graduate Computer Architecture	26	Overall SEI: 4.1/5.0
Fall 2015	6421 Graduate Computer Architecture	24	Overall SEI: 3.8/5.0
Spring 2015	3421 Introduction to Computer Architecture (3.00)	40	Overall SEI: 4.6 / 5.0
Fall 2014	3421 Introduction to Computer Architecture (3.00)	40	Overall SEI: 4.6 / 5.0
Spring 2013	3421 Introduction to Computer Architecture (3.00)	39	Overall SEI: 4.7 / 5.0
Fall 2012	3421 Introduction to Computer Architecture (3.00)	39	Overall SEI: 4.9 / 5.0
Spring 2012	775 Computer Architecture (3)	32	Overall SEI: 4.2 / 5.0
Fall 2011	775 Computer Architecture (3.00)	32	Overall SEI: 2.8 / 5.0
Winter 2011	675.01 Intro Computr Arch (3)	46	Overall SEI: 4.5 / 5.0
Winter 2011	675.01 Intro Computr Arch (3)	47	Overall SEI: 4.3 / 5.0
Fall 2010	788.11 Int St-Prl&Dist Cm (5)	10	Overall SEI: 4.8 / 5.0
Spring 2010	788.11 Int St-Prl&Dist: Making and Managing Clouds	17	Overall SEI:4.6 / 5.0
Spring 2010	675.01 Intro Computr Arch (3)	40	Overall SEI: 4.0 / 5.0
Fall 2009	675.01 Intro Computr Arch (3)	39	Overall SEI: 3.8 / 5.0

Department and University Service

2014 - Present	Faculty Mentor for ACM-W
2011 - Present	Diversity and Outreach Chair, Faculty Coordinator
2010 - 2019	Computer Committee, Faculty Member
2009 - 2015	Systems Group Meetings, Faculty Coordinator
2011, 2015, 2016, 2018	Graduate Admissions Committee, Member
2019	Chair Search Committee Member
2019	Search Committee Member for Translational Data Analytics Institute