

Christopher R. Slade

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Education

Ph.D. Computer Science (In-Progress), University of Hawaii, 2008-2012, 2023-Present
Dissertation: Mobile Health Sensing

M.S. Computer Science, Brigham Young University, 2005
Thesis: On-Disk Sequence Cache (ODSC): Using Excess Disk Capacity to Increase Performance.

B.S. Computer Science, Brigham Young University, 2002, *Summa Cum Laude*

Research Experience

Hawaii Digital Health Lab	2022–Present
Peter Washington	University of Hawaii - Manoa
Mobile Health Sensing	

Laboratory for Interactive Learning Technologies	2008–2012
Daniel D Suthers	University of Hawaii - Manoa
Online Context Mapping Technology, Threaded Discussions	

Performance Evaluation Lab	2003–2007
Kelly Flanagan	Brigham Young University
Disk Drive Performance, I/O Systems, Memory Management	

Teaching Experience

Associate Professor, Aug. 2007–Present
Brigham Young University-Hawaii
Courses: Algorithms and Complexity, Artificial Intelligence, Computational Theory, Computer Organization, Beginning and Object-Oriented Programming, Discrete Mathematics, Data Structures, Operating Systems, Robotics, Programming Languages, Web Application Development, Advanced Web Application Development, Mobile Application Development. Curriculum design and development, authoring several curriculum change proposals.

Graduate Student Instructor (unpaid), Jan. 2007–Apr. 2007
Brigham Young University
Course: Programming Languages

Teaching Assistant, Jan. 2000–Dec. 2003
Brigham Young University
Courses: Computer Organization, Advanced Computer Architecture

Employment

Brigham Young University-Hawaii	Laie, HI
Associate Professor	August 2007–Present
Teaching, Research, and Curriculum Design	

Independent Contractor	Laie, HI
Software Developer and Consultant	July 2015–Present

Provided software consulting and development services, using the following tools and technologies: Ruby on Rails, Laravel, Bootstrap, TailwindCSS, Swift, Node, Express, React.js, Vue.js, Angular.js, Docker, Amazon Web Services (AWS), MongoDB.

College of Health & Human Performance
Web Programmer
BYU, Provo, UT
May 2002–Aug. 2003
Designed and developed several web-based applications including a library catalog and an intramural scheduling & registration application used by more than 10,000 participants at a time.

Novell
Competitive Analyst
Provo, UT
May 2001–Aug. 2001
Set up a competitive research lab and compared four different collaboration applications. Developed a Java servlet to connect a partner's product to a web portal.

Agilent Technologies
Web Programmer
Colorado Springs, CO
May 2000–Aug. 2000
Designed and developed a web-based collaboration application, to help the marketing and development departments share product information and marketing data.

Papers

Kargarandehkordi A, Slade C, Washington P. Personalized AI-Driven Real-Time Models to Predict Stress-Induced Blood Pressure Spikes Using Wearable Devices: Proposal for a Prospective Cohort Study. *JMIR Res Protoc*. 2024 Mar 25;13:e55615. doi: 10.2196/55615. PMID: 38526539; PMCID: PMC11002732.

Sun Y, Kargarandehkordi A, Slade C, Jaiswal A, Busch G, Guerrero A, Phillips KT, Washington P. Personalized Deep Learning for Substance Use in Hawaii: Protocol for a Passive Sensing and Ecological Momentary Assessment Study. *JMIR Res Protoc*. 2024 Feb 7;13:e46493. doi: 10.2196/46493. PMID: 38324375; PMCID: PMC10882478.

Wolthuis, Stuart L and Slade, Christopher, "Liberating Legacy System Data with Rails, Intelligent Use of Conflict Data with Automated Class Scheduling Tools.", *Information Systems Education Journal*, Volume 18, Pg. 12-21, 2020

Slade, Christopher R. Suthers, D. D.(2011). Using Interactive Graphical Tools to overcome the "Collage Effect" in Collaborative Learning Environments. In *Proceedings of the 44th Hawai'i International Conference on the System Sciences (HICSS-34)*, January 5-7, 2011, Po'ipu, Hawai'i (CD-ROM). New Brunswick: Institute of Electrical and Electronics Engineers, Inc. (IEEE).

On-Disk Sequence Cache (ODSC): Using Excess Disk Capacity to Increase Performance. Master's Thesis. Brigham Young University. Dec.2005. <http://contentdm.lib.byu.edu/ETD/image/etd1020.pdf>

Presentations

Kevin Kimball, Christopher Slade "Accounting Balls: An iPhone Game to Teach Debits and Credits" 7th Annual Conference on Teaching and Learning in Accounting, Atlanta, Georgia (August 2014)

Speeches

Christopher Slade "Wilt Thou Not Place a Stumbling Block in My Way" University-wide Devotional, Brigham Young University - Hawaii (March 31, 2020) <https://speeches.byuh.edu/devotionals/wilt-thou-not-place-a-stumbling-block-in-my-way>

Service

Computer and Information Sciences Professional Society Faculty Advisor, Department of Computer and Information Systems, Brigham Young University-Hawaii, August 2011-2012.

Faculty Advisory Committee (Faculty Senate), Brigham Young University-Hawaii, August 2013-May 2016.

Academic Exceptions Committee, Brigham Young University-Hawaii, August 2015-August 2019.

Computer Science Program Lead, Department of Computer and Information Systems, Brigham Young University-Hawaii, August 2008-Dec. 2009.

Computer Science Professor Search Committee Chair, Department of Computer and Information Systems, Brigham Young University-Hawaii, September 2008.

Tutoring Supervisor, Department of Computer and Information Systems, Brigham Young University-Hawaii, January 2008-August 2009, August 2016-Present.

Industrial Relations Committee Member, Department of Computer and Information Systems, Brigham Young University-Hawaii, January 2008-April 2008.

Scholarship Committee Member, Department of Computer and Information Systems, March 2008.

Professional Societies and Organizations

Member of the Association for Computing Machinery (ACM)

Miscellaneous

Served a two-year mission for the Church of Jesus Christ of Latter-day Saints in Brazil.

Fluent in Portuguese.