

Kevin C. Webb

kcwebb@cs.ucsd.edu

PERMANENT ADDRESS

2725 West Canyon Ave #149
San Diego, CA 92123
(865) 567-7453

UCSD ADDRESS

9500 Gilman Drive #0404
La Jolla, CA 92093
(858) 534-8604

EDUCATION

University of California, San Diego, CA, 2007-Present
Ph.D. in Computer Science, 2013 (Expected)

University of California, San Diego, CA, 2007-2010
M.S. in Computer Science, 2010

Georgia Institute of Technology, Atlanta, GA, 2003-2007
B.S. in Computer Science, May 2007

EXPERIENCE

Graduate Researcher UC San Diego Sep. 2007 - Present
Advisors: Alex Snoeren & Ken Yocum

Currently exploring Topology Switching for data center networks.
Built canonical Distributed Rate Limiting (DRL) implementation.
Integrated DRL with PlanetLab's myplc package.
Contributed to Continuous Bulk Processing project (CBP).
Parallelized the Mace model checker to run on clusters and supercomputers.

Research Intern Microsoft Research Jun. 2009 - Sep. 2009
Mentor: Emre Kiciman

Developed Fluxo, a compiler for large-scale internet services.

Undergraduate Researcher Georgia Tech Jan. 2006 - May 2007
Advisor: Ellen Zegura

Assisted with the Disruption Tolerant Networking (DTN) project.
Developed a DTN implementation for mobile devices for use in campus research testbed.

RESEARCH INTERESTS

Distributed systems, cloud computing, operating systems, networks, and parallel computation

PUBLICATIONS

E. Kiciman, B. Livshits, M. Musuvathi, and K. Webb. "Fluxo: A System for Internet Service Programming by Non-expert Developers". ACM Symposium on Cloud Computing (SOCC), 2010.

D. Logothetis, C. Olston, B. Reed, K. Webb, and K. Yocum. "Stateful Bulk Processing for Incremental Algorithms". ACM Symposium on Cloud Computing (SOCC), 2010.

HOBBIES

Woodworking, ceramics, cacti

REFERENCES

Alex Snoeren
Associate Professor
UC San Diego
(858) 822-2289

Ken Yocum
Research Scientist
UC San Diego
(858) 822-3287

Ellen Zegura
Professor & Chair of Computer Science
Georgia Tech
(404) 894-1403