
Publications

DJ Capelis and Darrell D.E. Long, *Fived: A Service-Based Architecture Implementation to Innovate at the Endpoints*, ACM SIGCOMM Computer Communication Review **40** (2010), no. 4, 419–420.

Experience

Academic

- Sept 2009 – Present **Graduate Student Researcher**, *University of California, Santa Cruz*.
Worked with advisor Darrell Long and faculty member Ethan Miller. Continued *LockBox* and *fived* projects. Started Working-group on Applied Security & Privacy. (WASP) Affiliated with the Storage System Research Center (SSRC)
- Apr 2007 – June 2008 **Researcher**, *University of California, San Diego*.
Worked with Alex Orailoglu to identify interesting research areas. Started *LockBox* project, started designing the *fived* project. Loosely affiliated with the Architecture, Reliability and Testing Lab.

Non-Academic

- June 2009 – Sept 2009 **Sr. Technical Associate**, *Fraser Research*.
Worked on clean-slate networking design. Goal of the project: re-invent the Internet. Examined new design and worked on security issues, among others.
- Mar 2008 – June 2009 **Security Engineer**, *Computer Science and Engineering, UCSD*.
Deployed ROCKS cluster for testing and evaluation. Designed, developed and executed scans for vulnerabilities as needed. Designed PAM components
- Mar 2006 – Feb 2008 **Security Engineer**, *Administrative Computing and Telecommunications, UCSD*.
Helped with SQL whitelisting system to detect SQL injection attacks at the database level. Designed, built and maintained openid.ucsd.edu. Integrated various applications with UCSD's Shibboleth single sign-on system. Deployed and maintained trac project management and SVN version control software

Open Source

- May 2005 – Mar 2008 **Linux Platform Manager**, *Blender*.
Blender is a 3-d animation, rendering and compositing suite, among other things. I was responsible for issues affecting the linux port, release engineering and build management.

Affiliations

- Member USENIX – Since 2009
- Staff Toorcon Security Conference – TC8, TC9, TCX
- Member Board of Managers, California State PTA – 2004-2005

Certifications

2013 – 2016 Forklift Operator: Forklift classes I, IV, V & VII

Education

- Sept 2009 – **PhD – Computer Science**, *University of California, Santa Cruz*.
Present Advisor: Darrell Long. Focus in security. Affiliated with the Storage System Research Center. Affiliated with the Working-group on Applied Security & Privacy (WASP)
- Sept 2005 – **BA – Computer Science**, *University of California, San Diego*.
June 2009 In addition to undergraduate coursework, participated in graduate level coursework in computer architecture, operating systems and security.

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