Eric Stratmann

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EDUCATION

Stanford University (2008 - Present)
Master of Science (2011)
PhD Candidate (2008 - Present)
Advisor: John Ousterhout
Area of Research: Web Frameworks

Simon's Rock College of Bard (2005-2008)
Bachelor of Arts, magna cum laude (3.53 GPA)
Majors: Computer Science (3.89 GPA) and Mathematics (3.67 GPA)

TECHNICAL EXPERIENCE

Research on Django extensions at Stanford (2011 - 2012)
- Currently developing a Django module that allows developers to add undo functionality to their Website. It hooks into the Model class to save undo information into a generic undo log class, allowing out of order undo.
- Wrote a Django module allowing developers to easily support server-side push using MVC.

Fiz, a web framework developed at Stanford. (2009 - 2011)
- Fiz was a framework that aimed to raise the level of web application programming by using a component based approach.
- Worked on layout, data management, and different components.
- Wrote code in Java and Javascript and wrote unit tests for all code.

Samsung: R&D Intern (Summer 2010)
- Developed a Javascript framework and API to automatically synchronize HTML5 localStorage to the cloud with node.js.

AlamoFS: A Versioning File System with Support for Non-linear History (2007-2008)
- Senior thesis with Honors, Simon's Rock College.
- Wrote a userland file system incorporating several concepts from revision control systems. The file system would automatically keep a version for every modification made to a file and kept track of several branches that users could create.

Microsoft: Software Development Engineer Intern (Summer 2007)
- Researched and implemented features for Microsoft Forefront, an enterprise level security product.
- Wrote code and tests in C++.

PUBLICATIONS

Stratmann, E., Ousterhout, J., and Sammer, M. *Integrating Long Polling With an MVC Framework.* USENIX Conference on Web Application Development, June 2011.

Ousterhout, J. and Stratmann, E. *Managing State for Ajax-Driven Web Components.* USENIX Conference on Web Application Development, June 2010.

Ousterhout, J. et al. *The Case for RAMClouds: Scalable High-Performance Storage Entirely in DRAM.* SIGOPS Operating Systems Review, Vol. 43, No. 4, December 2009.

OTHER EMPLOYMENT

Stanford (Winter 2008, Spring 2012): TA for CS140 (Operating Systems) and CS142 (Web Applications)
AXA Equitable (Summer 2006): IT Intern
Simon's Rock College (September 2005 - May 2007): Computer Assistant