

Eric Allen

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Education

Rensselaer Polytechnic Institute
B.S. in Computer & Systems Engineering, May 2010 (expected)

Experience

Contractor, Sauce Labs; San Francisco, CA—January 2010-present

[Sauce Labs](#) is the trusted source for Selenium-based software and services that accelerate the agile web development test process. Cofounded by the original creator of Selenium, Sauce Labs is a leader in the global Selenium community.

- Extended Selenium IDE to support Selenium 2.0
- Improved self-testing infrastructure for Selenium IDE

Summer Intern, Bloomberg; New York, NY—Summer 2009

Bloomberg L.P. is the largest provider of financial information in the world. Through the Bloomberg Professional™ and Bloomberg Anywhere™ services, thousands of financial professionals get their real-time and historical information.

- Developed continuous integration system for automated compilation and testing
- Assisted with several new features and updates to existing components
- Evaluated AMQP, XMPP, and other messaging technologies for deployment within Bloomberg

Summer Intern, Wesabe; San Francisco, CA—Summer 2008

[Wesabe](#) is an internet startup developing an online tool for personal finance management. Funded by O'Reilly AlphaTech Ventures and Union Square Ventures.

- Developed back-end and front-end for detecting and displaying the transfer of money between accounts. Researched web analytics options and set up Google Urchin 6. Worked closely with other developers to improve functionality for automatically importing data from banks.
- Technologies: Ruby, Ruby on Rails, JavaScript, Linux, Puppet (server management), git (version control)

Software Developer, Allocade; Menlo Park, CA—2006-2007

[Allocade](#) is a healthcare startup applying scheduling algorithms developed at NASA to hospital patient flow optimization.

- Developed pilot version of project deployed at California Pacific Medical Center in San Francisco, CA. Morphed mock-up user interface into a full-fledged enterprise Java application. (2006)
- Interviewed engineering candidates (including VP of Engineering) and trained new developers. Developed adjunct product from concept to production. Implemented new user interface using Java Swing. (2007)
- Technologies: Java, Apache Tomcat, Java Swing, J2EE, iNTERFACEWARE Iguana, HL7, XML, Subversion

System Administrator, Zeidman Technologies, Cupertino, CA—Summer of 2005

[Zeidman Technologies](#) sold a tool for synthesizing Real Time Operating Systems (RTOS) for embedded processors.

- Documented internal development practices and build process while setting up a VPN and other network services
- Benchmarked an operating system (SynthOS) for embedded systems.
- Technologies: Java, Linux, VPN, C, embedded systems

Projects

- Built [a tool](#) in both Clojure and Ruby for synthesizing microprocessor architectures (Spring 2010)
- Core contributor to [Tracks](#), an open source task manager written in Ruby on Rails (2008 to present)
- Developed a Java Web Start application from scratch for creating customized plans of study at RPI. (2008)
- Extended software and firmware for the [Mobile Studio Project](#), a platform for electrical engineering education. (2008)
- [Modified a Linksys WRT54G](#) wireless router to support the 1-wire protocol and an LCD display. (2007-2008)
- Developed and maintained a web-based system for monitoring over 20 temperature sensors throughout a building using Dallas Semiconductor 1-Wire® sensors, an 8051-based microcontroller (running Java), and PHP. (2004-2007)
- Wrote the software and designed the electronics for an [automated, computerized candle dipping](#) machine to make unique and high-quality dinner tapers. (2003)
- Designed, wrote, tested, and released an [MP3 player for the Sony Clie Palm PDA](#) in C++. Sold over 10 copies. (2003)
- See <http://github.com/epall> for more

Leadership

- President of W2SZ, RPI's amateur radio club
- Equipment Chair for UPAC Sound, providing professional speakers, amplifiers, and mixing to groups on campus and traveling musicians

Awards

- 1st place in RPI-ACM's Fall 2008 and Fall 2009 programming competitions (~50 competitors)
- Inventor on two pending patents in area dealing with distributed scheduling and structured communications