

JAKE TETON-LANDIS

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EXPERIENCE

Student Affairs Information Technologies, UC Berkeley April 2013 - Present
Senior Programmer Berkeley, CA

- Provide technical leadership for a team of nine programmers.
- Develop security-scan based network access control application using Python and Django.
- Maintain systems in Perl that manage Internet access to over 10,000 residents in UC Berkeley's housing.
- Collaborate across teams to coordinate new projects and product updates.

LearnStreet, Inc. July 2012 - January 2013
User Interface Design and Engineering Palo Alto, CA

- Prototyped next-generation user interfaces for learning programming, including a new model for in-browser literate programming, using Coffeescript and Scheme.
- Maintained and extended a Flask web application following the Model-View-Controller pattern.
- Authored educational content and exercises for LearnStreet's higher-level JavaScript course.

Car Charging Group March 2012 - September 2012
Web Developer Berkeley, CA

- Implemented new marketing website and map search interface.
- Created a custom, flexible content management system on top of Wordpress.
- Secured and maintained legacy WordPress plug-ins for location mapping.

Student Affairs Information Technologies, UC Berkeley April 2011 - June 2012
Web Designer Berkeley, CA

- Redesigned and implemented the [Residential Computing website](#) using modern web standards and accessibility practices.
- Worked with the Marketing team to introduce new branding and style guidelines.

EDUCATION

University of California, Berkeley *Years Attended: 2010-2013*
Major: Computer Science

PROJECTS AND ACTIVITIES

BERKE1337: UC Berkeley Cybersecurity team cyberteam.berkeley.edu

- Placed 1st at the 2014 [Western Regional Collegiate Cyber Defense Competition](#) and 5th nationally (95th percentile of teams)
- Help plan workshops, practices, and events for our club members and the UC Berkeley community.
- Participate in multiple security capture-the-flag competitions each year.

teeveed (Ruby, Java): voice-controlled media center github.com/justjake/teeveed

- Search for and play media files with natural language voice input via a web interface.
- Indexer service stores media metadata in a PostgreSQL database for tri-gram text matching.
- Tested and deployed on a Linux server, an OSX media center computer, and a Windows workstation.

j3 (Go): window management tool github.com/justjake/j3

- Adds window splitting and seam-based window resizing to any X11 window manager.
- Directly interfaces with X11 using XGB, the Go language XCB bindings.
- Uses Go concurrency primitives to maintain a responsive user interface, even over slow SSH connections.