

Ian Kronquist

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Professional Experience:

Mozilla SUMO Support Team, Intern. June-September 2014.

Designed and implemented a Bayesian spam and abuse detection and filtering library for Mozilla's user input site. Used Python and Django, as well as Javascript and D3.js.

Oregon State University Open Source Lab, Developer. November 2013-Present.

Wrote web back end and deployment scripts for the Oregon Virtual School Districts websites. Wrote docker development environment and contributed to the National Sea Grant What's Fresh API project. Used Python, Django, Flask, Docker, and Chef.

Reach Technology, Intern. July-September 2013.

Wrote software for the customer development kit for a graphics display module running Linux. Wrote the company product wiki and documentation. Created customer video tutorials. Used C++, the Qt Framework, and QML languages.

Xerox Corporation, Intern. August-October 2011 and June-August 2012.

Wrote front end and back end code for an internal print quality test fixture. Used C#, SQL, and TMCL Assembly languages.

Eagle Scout. August 2012.

Designed, constructed, and gathered donations for a lending library for a disadvantaged community in North-East Portland as an Eagle Project.

Education:

Oregon State University, Corvallis, Oregon. Current Student.

Pursuing a Dual Degree Bachelor of Science, Computer Science, and Bachelor of Science, Mathematics. Honors College student. Junior standing. GPA: 3.77.

AFS Turkey Foreign Exchange Program, Adana, Turkey. September 2012-July 2013.

Attended Gündoğdu Koleji (Sunrise High School) in Adana, Turkey. Proficient in the Turkish Language.

Portland Community College, Portland, Oregon. June 2012.

Graduated with Honors with an Associates of Arts Oregon Transfer degree.

Projects and Open Source Contributions:

MyPy: Static type checking for Python. Fixed parsing errors, removed outdated systems.

Fjord: Mozilla user input, Django. Added product management interface and Bayesian spam and abuse detection.

Hope JIT: A Python JIT for astronomical computations. Modified codegen to work on OS X Yosemite and added function argument validation.

Kernel of Truth: Personal project implementing a i586 C kernel written from scratch.