

# Ian Kronquist

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## Skills

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<b>Development</b>	Python, C/C++, Ruby, Chef, Puppet, Docker, Git, GitHub, Javascript, Django
<b>Leadership</b>	Curriculum Design, Teaching, Public Speaking

## Employment

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**Puppet Labs, Puppet Language Design Team, *Engineering Intern*** *June 2015-Present*

Implemented a tool to generate HTML documentation from code comments. Designed and prototyped a system for instrumenting the Puppet parser to extract test coverage statistics. Implemented built-in functions for the Puppet catalog compiler.

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

Wrote a web back end for the lab's NodeJS time management API. Wrote Docker development environments and DevOps Chef cookbooks for deploying the lab's Python web applications. Used NodeJS, Javascript, Python, Django, Flask, Docker, and Chef.

**Mozilla, SUMO Engineering Team, *Intern*** *June-September 2014*

Designed and implemented a Bayesian spam and abuse detection and filtering library in python for Mozilla's user input Django site.

**Reach Technology, *Intern*** *July-September 2013*

Wrote a cross-platform C++ desktop application for the customer development kit for an embedded graphics display module. Wrote the company product wiki and documentation. Created customer video tutorials.

## Leadership

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**Eagle Scout**

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

**DevOps BootCamp**

Designed a curriculum and taught core software development and systems operation skills to OSU students.

## Education

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**Oregon State University, *Corvallis, Oregon.*** *Current Student*

Pursuing a Dual Degree Bachelor of Science, Computer Science, and Bachelor of Science, Mathematics. Honors College student. Senior standing, expected graduation Summer 2016. GPA: 3.71.

**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 Notable Open Source Contributions

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<b>MyPy</b>	Static type checking for Python. Fixed parsing errors, removed outdated systems.
<b>Hope JIT</b>	A Python JIT for astronomical computations. Modified codegen to work on OS X.
<b>Kernel of Truth</b>	Personal project implementing a i586 C kernel written from scratch.