

Donovan Ellison

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SKILLS

Programming: C/C++, CSS, Haskell, HTML, JavaScript, and Python

Technologies: EC2, GDB, Git, Jira, Jenkins, S3, Selenium, and Terraform

EXPERIENCE

Computer Science Tutor, *Portland State University* Oct 2019 — Aug 2020

- Debugged students code in C, C++, Java, and x86 Assembly.
- Taught students about data structures, object-oriented programming, and program design.

Software Engineer Intern, *Akamai Technologies* Jan 2019 — Jun 2019

- Configured and deployed EC2 instances with Terraform.
- Wrote to, read from, and monitored Kinesis streams used to process user data.

DevOps Intern, *Comscore, Inc.* Jul 2018 — Dec 2018

- Refined a testing framework for the QA team in C#.
- Performed deploys once a week with Jenkins to production environments.
- Maintained Ruby scripts that automated the deployment and testing of code.

Software Engineer Intern, *XPO Logistics, Inc.* Jan 2018 — Jun 2018

- Designed and coded a web app from scratch with React, Java, and SQL.
- Reduced the time taken to change weather alerts from an hour or more down to a few minutes.

Software QA Intern, *Janrain, Inc.* Jul 2017 — Dec 2017

- Expanded Behave tests prior to implementation to promote test-driven development.
 - Contributed unit tests for a REST API written in Go.
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PROJECTS

Context AR Apr 2020 — Aug 2020

- Developed React components that allowed teachers to create and edit modules to guide students through a sequence of place-based lessons.
- Drafted the database schema and translated it into two MongoDB collections with roles, permissions, and field requirements.
- Coordinated the design of 16 views and tracked development progress with a wireframe.
- Organized a Jira Kanban board, authored tickets for each view, and directed stand-ups.

Functional Programming for Systems Software Apr 2020 — Aug 2020

- Published an assessment of Habit, an experimental functional language for low-level programming.
 - Compared Habit with C by implementing a page table in both languages.
 - Used x86 Assembly to enable IA-32 paging and setup system calls.
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EDUCATION

Bachelor of Science in Computer Science, University Honors Sep 2016 — Aug 2020

Portland State University

GPA: **3.73**