

# Donovan Ellison

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## EDUCATION

**Bachelor of Science in  
Computer Science, University Honors**  
*Portland State University*  
GPA: **3.73**

Sep 2016 — Aug 2020

## SKILLS

**Programming:** C/C++, Haskell, HTML/CSS, JavaScript, and Python  
**Technologies:** EC2, GDB, Git, Jira, Jenkins, S3, Selenium, and Terraform

## PROJECTS

### Functional Programming for Systems Software

Apr 2020 — Aug 2020

- Publicized an evaluation 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.

### Context AR

Apr 2020 — Aug 2020

- Developed React components for Context AR, a web app for experiential learning.
- Drafted the database schema and translated it into two MongoDB collections.
- 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.

## EXPERIENCE

### Computer Science Tutor, Portland State University

Oct 2019 — Aug 2020

- Debugged students code in C, C++, Java, and x86 Assembly.
- Taught students how to use GDB.

### Software Engineer Intern, Akamai Technologies

Jan 2019 — Jun 2019

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

### 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 used for deployment.

### Software Engineer Intern, XPO Logistics, Inc.

Jan 2018 — Jun 2018

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

### Software QA Intern, Janrain, Inc.

Jul 2017 — Dec 2017

- Expanded Behave tests prior to implementation to promote test-driven development.
- Tested the interface of a web app with Selenium.