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 and presented a case study 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.
- Set up 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
- Worked on an AWS data pipeline used for tracking user metrics.
- Maintained Terraform configurations for the deployment of non-production code.

DevOps Intern, *Comscore, Inc.*   Jul 2018 — Dec 2018
- Improved a testing framework for the QA team in C#.
- Performed deploys once a week with Jenkins to production environments. Ensured code worked as expected and all changes were properly documented.
- Maintained Ruby scripts used for deployment.

Software Engineer Intern, *XPO Logistics, Inc.*   Jan 2018 — Jun 2018
- Designed and developed a web app from scratch with React.
- Managed an SQL database with Java.

Software QA Intern, *Janrain, Inc.*   Jul 2017 — Dec 2017
- Wrote tests in Behave for user stories prior to implementation to promote test-driven development.
- Used the Selenium framework to test the interface of a web app.