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**
- 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.

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 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 used for deployment.

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.
- Tested the interface of a web app with Selenium.