

# Donovan Ellison

✉ [dvaneson@gmail.com](mailto:dvaneson@gmail.com)

🏠 [dvaneson.com](http://dvaneson.com)

☎ 971-400-3011

in [Donovan Ellison](#)

🐙 [dvaneson](#)

## 🎓 EDUCATION

**Bachelor of Science** in  
**Computer Science, University Honors**

*Portland State University*

GPA: **3.73**

Sep 2016 — Aug 2020

## 📖 THESIS

**Functional Programming for Systems Software: Implementing  
Baremetal Programs in Habit**

*University Honors Theses*

Sep 01, 2020

- Implemented a page table with context switching in C.
- Implemented part of a page table in a prototype of Habit.
- Enabled IA-32 paging and setup system calls in x86 Assembly

## 🧰 EXPERIENCE

**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

- Worked on a testing framework for the QA team, allowing them to write tests without needing programming experience.
- Performed weekly deploys 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

- Developed a web app from scratch with React to automate weather alerts on the companies website.
- 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.

**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.
- Explained Computer Science concepts such as data structures, discrete structures, and object oriented programming.

## </> SKILLS

C/C++, EC2, Git, Haskell, JIRA, Jenkins, Machine Learning, S3, Terraform, Python, and x86 Assembly