

DONOVAN ELLISON

SOFTWARE ENGINEER AND  
RESEARCHER



[dvaneson@gmail.com](mailto:dvaneson@gmail.com) 971-400-3011 <https://dvaneson.com>

## SKILLS

GIT

JIRA

C/C++

X86 ASSEMBLY

HASKELL

PYTHON

NUMPY

TERRAFORM

JENKINS

AWS EC2

AWS S3

MACHINE  
LEARNING



## EXPERIENCE

### *Software Engineer Intern, Akamai Technologies*

2019-01 — 2019-06

- 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.*

2018-07 — 2018-12

- 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.*

2018-01 — 2018-06

- 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.*

2017-07 — 2017-12

- 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*

2019-10 — 2020-08

- 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.



## EDUCATION

*Bachelor of Science in University Honors and Computer Science,*  
Portland State University



2016-09 — 2020-08

*Functional Programming for Systems Software: Implementing  
Baremetal Programs in Habit,* University Honors Theses

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