Donovan Ellison

✉ dvaneson@gmail.com　🏠 dvaneson.com　📞 971-400-3011　in Donovan Ellison
🐙 dvaneson

🎓 EDUCATION

Bachelor of Science in
Computer Science, University Honors   **Sep 2016 — Aug 2020**
Portland State University
GPA: **3.73**

</> SKILLS

Programming: C/C++, Haskell, Python, and x86 Assembly
Technologies: EC2, GDB, Git, JIRA, Jenkins, S3, Selenium, and Terraform

📖 THESIS

Functional Programming for Systems Software   **Sep 21, 2020**
University Honors Theses
Habit is a functional language specially designed for low-level programming. Habit aims to have the reliability and readability of a high level language, while offering the memory management and efficiency of languages like C. In this thesis I provide a case study of Habit and discuss if it meets these goals.
  • Implemented a page table in C and a prototype of Habit.
  • Enabled IA-32 paging and setup system calls in x86 Assembly.

💼 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 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**
  • 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.