



Experience

- Mar 2020 — Present ○ **Hulu, LLC** Seattle, WA
Principal Software Developer — Living Room
- Mar 2018 — Mar 2020 ○ **Hulu, LLC** Seattle, WA
Senior Software Developer — Living Room
- Mar 2016 — Mar 2018 ○ **Hulu, LLC** Seattle, WA
Software Developer — Living Room
- Apr 2015 — Mar 2016 ○ **Amazon.com** Seattle, WA
Software Development Engineer II — Marketplace Shipping Services
- Led, designed, implemented, and launched new public web service to purchase shipping labels for Amazon orders
 - Provided external developer support during six months of public beta of shipping label web service
 - Coordinated team of six developers working simultaneously in new codebase
 - Supported and advised team of developers based in India for contributions to my team's codebase
- Aug 2013 — Apr 2015 ○ **Amazon.com** Seattle, WA
Software Development Engineer I — Marketplace Shipping Services
- Wrote script to find fatal error root-causes in logs across three web services
 - Reduced fatal errors from 1,100 per million requests to 200
 - Contributed to internal tools to read and transform log data
 - Contributed new library to Amazon community to set outgoing request ID for web service calls
 - Developed and maintained Java service capable of processing ~1,000 requests per-second (peak)
 - Designed an asynchronous workflow-based service to purchase up to 500 shipping labels and merge into single PDF
 - Identified multiple production security vulnerabilities; critical vulnerability fixed in prod within 24 hours
- Apr 2012 — Sep 2012 ○ **Lockheed Martin MS2** Moorestown, NJ
Senior Technical Co-Op — Information Assurance (IA)
- Mar 2011 — Sep 2011 ○ **Lockheed Martin MS2** Moorestown, NJ
Senior Technical Co-Op — Computer Infrastructure & Integration Testing

Notable Side Projects

- Oct 2020 ○ **thcon** — A configurable CLI tool that switches multiple apps between light and dark themes
Goal: See my screen better in the sun with fewer steps, teach myself Rust
Status: Published and actively developed
- Dec 2017 ○ **brs** — BrightScript interpreter implemented in TypeScript
Goal: Enable off-device testing by implementing (from-scratch) the language Roku apps are written in
Status: Maintained with other Hulgans and in active use
- Aug 2015 ○ **PNRG (Poorly Named Resume Generator)** — Templated resume source generator
Goal: Reduce effort required to maintain multiple parallel resume formats
Status: Frozen; updated as-needed
- May 2011 ○ **Textspanion** — Text expansion for Android devices
Goal: Add missing features to Android ecosystem while learning Android dev paradigms
Status: Released June 2011, featured on Lifehacker.com in Sept 2011, now deprecated



Education

Drexel University — Graduated Jun 2013

BS in Computer Engineering
BS in Electrical Engineering (Electronics)
Minor in Computer Science

Philadelphia, PA
Cumulative GPA: 3.58 | In-major: 3.63

Skills

Languages

- Bash/POSIX shells
- C
- Java
- L^AT_EX
- Python
- Perl (forever rusty)
- Rust (casual observer)

Operating Systems

- Linux (Arch, Debian, Fedora, RHEL, Ubuntu)
- Unix (Solaris 9)
- Mac OS (10.5, 10.6)

Tools

- vim
- GNU coreutils
- git, mercurial
- Spring
- Django
- AWS S3, DyamODB, SQS, SNS

Paradigms

- Distributed systems
- Service-Oriented Architectures (SOA)
- SQL and NoSQL databases