

EXPERIENCE

- **Conga**
Technical Lead/Senior Software Engineer - Machine Learning/Data Team *January 2018 - Present*
 - Leading development of React application for sending requests to our ML services
 - Leading development of microservices architecture for serving sub-50ms ML inferences
 - Leading technical transition to use Docker + Kubernetes for deployment and orchestration
 - Teaching others to optimize usage of CI/CD, increasing productivity across the engineering organization
 - Configured linting, static code analysis, and test code coverage reporting for Python and Scala code bases
 - Lead development for AWS EMR/Spark pipeline for ML model training
 - Fully automated entire infrastructure deployment from taking days down to minutes
- **FullContact Inc**
Software Engineer II - Data Platform *July 2017 - January 2018*
 - Migrated microservices architecture from Amazon ASGs to Docker/Kubernetes
 - Designed, built, trained, and deployed a text classifier for determining the organization/department for a job title
 - Improved data sanitation and duplicate data resolution steps in high throughput, data based API
 - Maintained backend for Human-In-The-Loop data annotation system
- **Josh.ai**
Software Engineer *June 2015 - July 2017*
 - Created Python/Flask full stack solution for interfacing with home automation system, deployed to Heroku
 - Created native Android client for real time communication with home automation system over a WebSocket
 - Wrote C++ for LAN based device integrations and control
 - Ported C++ codebase from being macOS specific to be platform independent
- **Northrop Grumman Corporation**
DevOps Engineer (former TS/SCI) *June 2014 - June 2015*
 - Wrote Python/Ruby scripts for system monitoring across 40+ virtualized hosts on a secured network
 - Configured Apache reverse proxy for backend user PKI authentication
 - Automated silent installation of COTS products for live deployments saving hours of manual labor
- **University of Colorado, Colorado Springs**
Student Web Developer/Research Assistant/Teaching Assistant *January 2013 - December 2015*
 - Wrote perl/MSSQL/HTML5 full stack site to render class schedule
 - Researched reverse proxy implementations for NSF funded CS/Psychology joint research involving phishing
 - TA for Software Engineering I. Graded assignments, held office hours for Ruby on Rails projects and assignments
- **Northrop Grumman Corporation**
Software Engineer Intern *Summers of (2011 - 2013)*
 - (2013) Wrote Java/JavaFX plug-in for real time histogram and scatter plot for Eclipse RCP intelligence tool
 - (2012) Integrated nmap and metasploit into C# tool for one click exploitation of virtualized systems
 - (2012) Created network visualization of local virtual network which included OS/network information
 - (2011) Created C# tool to traverse Twitter user graphs for calculating centrality of users

PROJECTS

- **SudokuRace.io (WIP)**: Player vs Player Sudoku, with full CI/CD infrastructure for automated testing, deployments, etc
- **Multiple Choice AI**: Java/Dropwizard service that uses word2vec to answer multiple choice questions
- **SummaryBox**: Java/Dropwizard/OpenNLP service summarizes raw text into its most important topics
- **ColoradoGeekJobs**: Mongo/Express/React/Node job board for technology jobs in Colorado

OTHER TECHNOLOGY

- AWS, Cassandra, Heroku, CircleCI, Jenkins, Kafka, Travis, MySQL, PostgreSQL, Redis