

EDUCATION

Carleton College, Northfield, MN June 2019

B.A. in Computer Science

Select Courses: Data Structures, Algorithms, Linear Algebra, Software Design,
Human Computer Interaction, Probability, Quantum Computing

GPA: 3.7

WORK EXPERIENCE

Plume Design, Palo Alto, CA Sep. 2019 - May 2020

Cloud Platform Engineer

- Designed and implemented product features used by millions of customers
 - E.g. real time tracking of household internet use and internet security monitoring features
- Mapped company wide design for a Kubernetes deployment framework
- Piloted migration of software deployments into EKS to automate deployments
- Developed using many technologies including Scala, Akka, Kafka Streams, AWS, Helm, and Yugabyte

Carleton College, Northfield, MN Sep. 2016 - June 2019

Computer Science Department Course Staff

- Reinforced core concepts in algorithms and Python
- Guided students through understanding big-O notation

Prudential, Plymouth, MN June - Aug. 2018

Quality Engineering Intern

- Designed and implemented automated software tests using Selenium WebDriver and Katalon Studio
- Created suite of smoke and API tests for new line of insurance business software
- Integrated tests of large programs using Maven and Jenkins to support continuous integration
- Improved test code best practices which increased test running times by up to 50%

Stroll Health, Berkeley, CA June - Aug. 2017

Marketing and Website Development Intern

- Created a customized consumer experience with the consumer journey software autopilot
- Redesigned company website to be more user friendly
- Enhanced company outreach with social media marketing including TechCrunch, Facebook, and Twitter

PROJECTS

Runtime Search, a debugging plugin cs.carleton.edu/cs_comps/1819/ase/final-results-2/templates/index.html

- Built an IntelliJ IDE plugin that extends the capabilities of the IDE's debugging tool
- Designed software that leverages Java agents to dynamically search for objects created at runtime
- Implemented plugin UI and search functions

Abduction, a Reddit Client github.com/tscruggs3/Abduction-RedditClient

- Designed the project with MVC framework
- Built client graphical user interface with JavaFX
- Implemented standard Reddit functionality including searching for subreddits and viewing posts

Pave It Forward, an Android app for immigrants github.com/CarletonDevX/immigrant_mentorship

- App reached the semifinal judging round at GlobalHack VII
- Collaborated in a team of seven
- Built the app's UI panes and menubar with Android Studio

ACTIVITIES & ADDITIONAL EXPERIENCE

President, Bridge Club, Carleton College, Northfield MN Sep. 2016 - June 2019

- Placed 5th in the NACBL Collegiate Bridge Bowl 2017 and 2018 Championships

SKILLS AND TECHNOLOGIES

- Languages: Proficient in: Java, Scala, Python Familiar With: Javascript, SQL
- Tools and frameworks:
 - Kafka, Kafka Streams, Akka, Docker, Kubernetes, Helm, AWS (EKS, ECS, ECR, S3), Git, Jenkins, Maven, IntelliJ IDEA, Eclipse, Jira, LaTeX, YAML, JSON
- Agile Development
- Spanish (ILR level 4 - full professional proficiency)