

Education

University of Washington • B.S. Computer Science

September 2016 - June 2020 • Seattle, Washington, USA

Cumulative GPA: 3.61 • **Awards:** Dean's List (7 quarters)

Relevant Coursework: Software Design, Data Structures/Algorithms, Linear Algebra, Differential Equations, Discrete Math, Systems Programming, Probability/Statistics, Machine Learning, Computer Architecture

Extracurriculars: Pi Kappa Alpha Fraternity (Scholarship Chair), ACM (Member)

Experience

Amazon Web Services, Inc. • Software Development Engineer Intern

June 2019 - September 2019 • Seattle, Washington, USA • aws.amazon.com/premiumsupport

AWS Support improves communication with customers about the availability and health of their AWS services.

- Added integration with a new monitoring service into a REST API to increase failure mode coverage
- Designed scalable solution to overcome data size limit, raising the maximum number of concurrent accounts retrieved from monitoring services per operation from 100 to over 10,000
- Wrote unit and integration tests, along with integrated metrics and alarms for operations and monitoring

University of Washington • CSE 331 Teaching Assistant

April 2019 - June 2019 • Seattle, Washington, USA • courses.cs.washington.edu/courses/cse331/19sp/

CSE 331 covers Software Design and Implementation, and had enrollment of around 220 students.

- Led discussion sections of 20+ students and taught fundamentals on software development
- Assisted students by hosting office hours and answering questions on course discussion board
- Attended staff meetings and assisted in preparing lecture and discussion section material
- Coordinated with instructor and other staff in preparing and grading student assignments and exams

Choco Communications GmbH • Growth Engineering Intern

July 2018 - September 2018 • Berlin, Germany • choco.com

Choco is a startup with a peer to peer platform for restaurants ordering products from food suppliers.

- Implemented modules using node.js that automate data conversion between different formats, such as localized PDF invoices and SMS notifications for clients, and Slack/analytics for internal usage.
- Built an extensible framework for automated chatbots using node.js and the XMPP protocol to help with customer support and onboarding.

Projects

Flashcard Study Buddy (Voice-Controlled App for Google Assistant)

June 2017 - August 2017 • frankgpoon.com/fsb

Flashcard Study Buddy is a voice-controlled app for Google Assistant that allows users to search for flash cards and test themselves verbally on them using the Quizlet REST API. It is approved by Google and available on all devices with Google Assistant.

- Integrated user input with Google's natural language processing engine DialogFlow
- Wrote a webhook hosted on Google Firebase, using node.js, to process input and connect to Quizlet
- Integrated OAuth 2.0 authentication protocol for users to use their Quizlet accounts safely and seamlessly.

Skills

Programming Languages: Java, JavaScript, C/C++, Python, bash, HTML, CSS

Technologies/Concepts: REST/SOAP, node.js, React, OAuth, Agile Development

Tools: git, AWS, Google Cloud, DialogFlow, Pytorch