

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

Organizations: Pi Kappa Alpha Fraternity, Association for Computing Machinery

Experience

University of Washington • CSE 331 Teaching Assistant

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

CSE 331: Software Design and Implementation was taught by Professor Hal Perkins in spring 2019, with enrollment of around 230 students.

- Lead discussion sections of 20+ students and teach fundamentals on program design, testing, and specification, along with event-driven programming and some code reasoning.
- Provide tutoring and assistance to students by hosting office hours and by answering student questions on the course discussion board.
- Attend staff meetings and coordinate with instructor and other staff in preparing material for lectures, sections, assignments, and exams.
- Grade student assignments and exams, and provide feedback on student performance overall.

Choco Communications GmbH • Growth Engineering Intern

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

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

- Implemented modules using node.js that automate conversion between different formats, such as localized PDF invoices and SMS notifications for clients, and Slack/analytics for internal usage.
- Improved localization within React Native mobile app and web platform by working with clients and developers in multiple EU countries
- Built an extensible framework for an automated chatbot 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.

- Takes in user input with Google's natural language processing engine DialogFlow.
- Processes inputs using a webhook written in node.js and hosted on Firebase.
- Implements OAuth 2.0 authentication protocol for users to connect seamlessly to their Quizlet accounts.

Skills

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

Tools: git, AWS, Google Cloud, DialogFlow, Firebase, Agile Development, Pytorch

Technologies: REST/SOAP, node.js, React, OAuth