

Jenny Kim

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EDUCATION

University of Southern California

Bachelor of Science in Computer Science + Minor in Linguistics

Aug. 2020 - May 2024

GPA: 3.98/4.0

SKILLS

(*proficient*): Python, C++, Javascript, HTML/CSS (*intermediate*): React, SQL, PHP (*familiar*): MongoDB, Java, Node.js, Git, Linux, TypeScript

EXPERIENCE

L3Harris Technologies

Software Engineering Intern

May 2022 - July 2022

Colorado Springs, CO

- Implemented a dashboard in React application using Typescript to integrate with backend API
- Developed and wrote tests with 95% code coverage for a backend REST API for handling CRUD applications using NodeJS, Typescript, Express, MongoDB, and Jest
- Used Agile methodologies (SCRUM, Jira + Confluence) to effectively collaborate with team

Viterbi School of Engineering

Head Teaching Assistant for ITP115: Programming in Python

Aug 2021 - Present

Los Angeles, CA

- Manage logistics and scheduling of 30+ teaching assistants and course staff
- Host weekly review sessions, write and manage rubrics, hold office hours, and grade assignments

Teaching Assistant for ITP348: Introduction to Electronics

- Hold weekly office hours to help students program in C++ and debug hardware issues
- Grade exams, programming assignments, and individual final projects

USC Makers

Software Developer

Aug. 2021 - Present

Los Angeles, CA

- Worked in a team for a year long project as a software developer to connect a compost tumbler on USC campus to an IoT-powered dashboard to display health state of compost
- Developed C++ code for Particle Boron to publish sensor data and regularly sleep to save power

SOFTWARE PROJECTS

Personal Website: jennykim515.github.io (for additional information and projects)

Safest Fridge Tracker | HTML/CSS, Javascript, PHP, SQL

- Developed a responsive full-stack web application that tracks expiration dates of food
- Implemented CRUD functionality and user permission levels with SESSION login and used AJAX calls to display dynamic results to personal dashboard

Typing Test for Dads | React, MongoDB, NodeJS, Netlify, Heroku

- Created a timed typing test using React that fetches and renders new text from a Dad Jokes Api
- Developed an API with MongoDB and NodeJS to create a leaderboard of fastest typers
- Deployed full-stack application using Heroku and Netlify

Chat without Barriers | React, Socket.io

- Developed a real-time private chat application using React and socket.io
- Utilized Google Translate API to allow for immediate translation between users' preferred languages

Touchless Gumball Machine | IoT, Cloud Publishing, C++

- Designed a circuit from scratch with Fritzing
- implemented project with the Particle Argon and physical parts including the ultrasonic distance sensor, accelerometer, Micro OLED, and Servo Motors
- Synced bluetooth Blynk app and a cloud-based IoT dashboard that logs data from the touchless gumball machine