JUDY ZHANG

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EDUCATION

University of California, Davis   Expected Graduation: June 2023

Bachelor of Science: Computer Science and Engineering

GPA: 3.74

Relevant Coursework: Vector Calculus, Discrete Math, Programming & Problem Solving, **Object-Oriented Programming**, **Data Structures & Algorithms**

SKILLS

Languages: Python, JavaScript, C++, C, Java, HTML/CSS
Tech Stack: React, Node.js, Google Firebase
Tools: Visual Studio Code, Git, Bash

WORK EXPERIENCE

iD Tech   September 2020 - Present
Coding Instructor   Remote
- Teaching groups of 5 students from ages 10-17 in a weekly virtual environment
- Classes include: Game Design in **JavaScript**, Neural Networks using **Python/NumPy**, and Card Games & Algorithms using **Java**

City of Milpitas   June 2019 - August 2019
Information Technology Intern   Milpitas, CA
- Maintained and upgraded the City of Milpitas' Wordpress website by updating 100+ webpages and making it ADA compliant
- Tested sites in various browsers and mobile devices to ensure cross-browser compatibility and responsiveness

Verizon Media   June 2018 - July 2018
National Academy Foundation Intern   Sunnyvale, CA
- Collaborated in an Agile/Scrum environment in a team of 5
- Designed, developed, and presented a website based on diversity using JavaScript that motivated users to create and share art from their cultural backgrounds
- Presented website to senior executives at Verizon Media and NAF

PROJECTS

HackDavis - Operation Pantry
- Implemented a web app using **Python**, **Node.js**, **Firebase**, an **Arduino**, and a **Raspberry Pi**
- Created during a 24 hour hackathon that would automatically relay UC Davis' Pantry inventory to Firebase and directly to users' devices
- Placed top 4 finalist out of 100+ projects for the Google Cloud Platform category

Algorithm Sorting Visualizer
- Developed an app using **React**, **JavaScript**, and **Node.js**
- Generated up to 700 random arrays for users to sort through by using a quick sort, merge sort, or bubble sort implementation

Discord Bot
- Implemented **Discord.js**, **Node.js**, **Google Sheets API**, and **Node-Schedule**
- Developed a Discord bot that could read/write data from a Google spreadsheet and allow users to set reminders for specific tasks
- Used within a Discord server of 50+ people

LEADERSHIP & EXTRACURR.
- **Clubs**: Google DSC, Women in Computer Science, Cybersecurity Club, Bit Project
- **Tech Lead** at **Google's Developer Student Club** at UC Davis
- Received certificate from Congressman Ro Khanna for tutoring students from K-6 for 5 years through Reading Buddies/Math Easy; continued starting my own private tutoring service