Mateo Wang

(408) 913-6163 | contact@mateowang.dev | linkedin.com/in/mateo-wang | github.com/SwiftWinds | Bay area, CA

EDUCATION

UC Santa Barbara   Santa Barbara, CA
Bachelor of Science in Computer Science, Technology Management Certificate   *Aug. 2020 – Jun. 2023*

EXPERIENCE

Software/Data Science Intern   Jun. 2021 – Present
Tascent, Inc.   *Los Gatos, CA*
- Trained CNN and tuned SVM kernel to get **96%** and **96.5%** accuracy for motion detection on low-resolution thermal imaging dataset, respectively
- Set up automatic data labelling of thermal images with DeepSORT on Google Coral

Data Center Technician Intern   Jun. 2021 – Present
Vofo Corp   *Sunnyvale, CA*
- Designed Kubernetes deployment to automatically mine filecoins on idle servers
- Wrote scripts to automate IPMI server IP changes
- Communicated with managers, engineers, and coworkers in Chinese to set up dozens of new server nodes

Software Developer   Oct. 2020 – Jan. 2021
UnMesh, LLC.   *New York, NY*
- Wrote Express.js endpoints to consume Spoonacular API and make MongoDB queries to send recipe list to users
- Wrote React Native UI for the user profile statistics screen, fetching data with REST API from Node.js backend
- Migrated deployment from EC2 to microservices/serverless with MongoDB Atlas and AWS lamdba

Full-stack Web Developer   Jun. 2020 – Oct. 2020
Electify Technologies   *Palo Alto, CA*
- Built React.js UI for tracking prize redemptions, fetching and writing data to the Firestore database
- Wrote backend Express.js code to automatically update user staticics/metadata every day
- Solved long-standing DEADLINE_EXCEEDED issue, reducing runtime length by about **99.2%**

Software Engineer Intern   Jun. 2019 – Aug. 2019
Denali System Co. Ltd   *Mountain View, CA*
- Developed an internal React.js website for uploading and watching employee training videos
- Wrote a Flask backend and used Tus protocol and FFmpeg to upload, transcode, store, and serve video files
- Collaborated with designers to design and implement a user storyboard for the web app

PROJECTS

Recommeddit.tech | *Python, NLTK, Flask, Svelte, Tailwind CSS, Google Cloud Functions*   Jan. 2021 - Jun. 2021
- Developed a full-stack web app with Flask serving a REST API to a Svelte/Tailwind CSS as the frontend
- Aggregated Reddit comments via Pushshift API and PRAW library and scraped websites with BeautifulSoup4
- Analyzed Reddit comments with MonkeyLearn API for NER and NLTK's Vader for sentiment analysis
- Deployed frontend with Netlify, Cloudflare, Domain.com and backend with Google Cloud Functions

Other projects on GitHub

TECHNICAL SKILLS

Languages: JavaScript, HTML, CSS, Python, Typescript, C/C++, C#, Java, Bash, Kotlin, Dart
Frameworks: React, Vue, Node.js, Express.js, Unity, Arduino, Bootstrap, Tailwind CSS, Svelte
Developer Tools: Git, Docker, Kubernetes, Google Cloud Platform, AWS, Azure
Libraries: PyTorch, fast.ai, TensorFlow, Keras, NumPy, OpenCV, pandas, Matplotlib, Flask
Other technologies: GraphQL, REST API, Firebase, MongoDB

HACKATHON AWARDS

HackMIT 2020: latent-space.tech wins 3rd place of 1000+ competitors
LAHacks 2020: Archiscape wins 1st place of 192 projects
CoVIDathon 2020: Centivize wins 3rd place of 100 projects
MissionHacks 2019: Bookworm wins 1st place of 52 projects