Mateo Wang

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EXPERIENCE

Founding Engineer
Aug. 2024 – Present

Alpha Design AI, Inc.
Santa Barbara, CA

- Built landing page with advanced anti-spam filtering, generating **200+** leads in 6 months with **<1%** spam rate
- Developed Next.js web dashboard with Auth0 RBAC, enabling usage tracking and user management
- Automated CI/CD pipelines using GitHub Actions, reducing deployment overhead
- Managed customer updates via Slack/email for timely feature and bug resolutions
- Networked at industry events, engaging **100+** qualified leads and presenting to **200+** attendees

Machine Learning Intern
Jun. 2023 – Sep. 2023

MOLOCO, Inc.
Redwood City, CA

- Improved ad click-through prediction from **77%** to **85%** AUC with new TensorFlow model + data augmentation
- Doubled look back in continuous training from 14 to 28 days for better model performance
- Utilize control group data with hourly install model prediction for causal inference
- Increased cadence of continuous training from once to twice a day for faster model iteration

Software Engineering Intern
Jun. 2022 – Dec. 2022

Invoca, Inc.
Santa Barbara, CA

- Created custom date selector React component for dashboard filtering
- Used GraphQL and Ruby to communicate with website to fetch data from MySQL database
- Cleaned up over **20,000** lines of tech debt to transition from Backbone.js to React
- Led the development of scheduled email attachments feature as a DRI (directly responsible individual)

Data Science Intern
Jun. 2021 – Sep. 2021

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 labeling of thermal images with DeepSORT on Google Coral
- Implemented simultaneous RGB/thermal/depth recording, automatically triggered with object detection

Data Center Technician Intern
Jun. 2021 – Sep. 2021

Vofo Corp
Sunnyvale, CA

- Wrote scripts to automate IPMI server IP changes and documented procedures on GitHub
- 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

- Developed React Native UI for 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 Lambda

EDUCATION

UC Santa Barbara
3.71 GPA | Aug. 2020 – Jun. 2024

Bachelor of Science in Computer Science, Technology Management Certificate
Santa Barbara, CA

TECHNICAL SKILLS

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

HACKATHON AWARDS

ShellHacks 2022: DAOchow.tech wins 2nd place of 1200+ competitors
HackMIT 2020: latent-space.tech wins 3rd place of 1000+ competitors
LAHacks 2020: Archiscape wins 1st place of 192 projects