

# Mateo Wang

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## EXPERIENCE

### Software Engineer

Jun. 2025 – Present

*Amazon, Inc.*

*New York, NY*

- Maintained and enhanced advertisement management platform powering **\$3B** in annual publisher revenue
- Designed AI-powered podcast ad placement tool using AWS Transcribe, Lambda, and Bedrock that reduced ad placement creation time by **90%+** and cut advertiser onboarding time by **60%**
- Architected and launched PubTechFeatureFlag, an org-wide Java-based feature flag service adopted by **4 teams**, eliminating **300+** hours of redundant development across Publisher Technology organization
- Participated in **4 on-call rotations**, resolved critical ad placement bug preventing **\$20K+** revenue loss

### Founding Engineer

Aug. 2024 – Jun. 2025

*ChipAgents, Inc.*

*Santa Barbara, CA*

- Built landing page w/ advanced anti-spam filtering, generating **200+** qualified leads in 6 months with **<1%** spam
- Developed Next.js web dashboard w/ RBAC for **50+** active users, reducing customer support inquiries by **40%**
- Streamlined CI/CD pipelines using GitHub Actions, reducing deployment time from **2 hours** to **10 minutes**
- Drove business development at **5+** industry events, engaging **100+** qualified leads & demoing to **200+** attendees

### Machine Learning Intern

Jun. 2023 – Sep. 2023

*Moloco, Inc.*

*Redwood City, CA*

- Improved ad click-through prediction from **77%** to **85%**, increasing revenue by estimated **\$2.1M** annually
- Doubled training lookback window from 14 to 28 days, improving accuracy by **17%** and reducing prediction drift
- Implemented causal inference pipeline, enabling **more accurate** attribution modeling for advertisers
- Utilized first-party data to train an LLM for high-fidelity user embeddings, improving campaign ROI by **20%+**

### Software Engineering Intern

Jun. 2022 – Dec. 2022

*Invoca, Inc.*

*Santa Barbara, CA*

- Led and delivered scheduled email attachments feature on time to **500+** customers, increasing email clicks by **25%**
- Created custom date selector React component adopted across **15+** dashboard views for **1K+** daily active users
- Optimized GraphQL and Ruby backend integration with MySQL database, reducing query latency by **40%**
- Eliminated **20K+** lines of legacy Backbone.js code during React migration, reducing bug count by **30%**

### Data Science Intern

Jun. 2021 – Sep. 2021

*Tascent, Inc.*

*Los Gatos, CA*

- Trained CNN and tuned SVM kernel, achieving **96%** and **96.5%** accuracy for low-res thermal motion detection
- Automated thermal image labeling pipeline, accelerating dataset generation from **weeks** to **days**
- Deployed multi-sensor recording system (RGB/thermal/depth), improving liveness detection accuracy by **80%**

### Software Developer

Oct. 2020 – Jan. 2021

*UnMesh, LLC.*

*New York, NY*

- Programmed React Native UI for user profile statistics screen, fetching data with REST API from Node.js backend
- Migrated deployment from EC2 to microservices with MongoDB Atlas and AWS Lambda, reducing costs by **60%**

## 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