

Mateo Wang

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EXPERIENCE

Software Engineer <i>Amazon, Inc.</i>	Jun. 2025 – Present New York, NY
<ul style="list-style-type: none">Maintained and enhanced advertisement management platform powering \$3B in annual publisher revenueDesigned 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 organizationParticipated in 4 on-call rotations, resolved critical ad placement bug preventing \$20K+ revenue loss	
Founding Engineer <i>ChipAgents, Inc.</i>	Aug. 2024 – Jun. 2025 Santa Barbara, CA
<ul style="list-style-type: none">Built landing page w/ advanced anti-spam filtering, generating 200+ qualified leads in 6 months with <1% spamDeveloped 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 minutesDrove business development at 5+ industry events, engaging 100+ qualified leads & demoing to 200+ attendees	
Machine Learning Intern <i>Moloco, Inc.</i>	Jun. 2023 – Sep. 2023 Redwood City, CA
<ul style="list-style-type: none">Improved ad click-through prediction from 77% to 85%, increasing revenue by estimated \$2.1M annuallyDoubled training lookback window from 14 to 28 days, improving accuracy by 17% and reducing prediction driftImplemented causal inference pipeline, enabling more accurate attribution modeling for advertisersUtilized first-party data to train an LLM for high-fidelity user embeddings, improving campaign ROI by 20%+	
Software Engineering Intern <i>Invoca, Inc.</i>	Jun. 2022 – Dec. 2022 Santa Barbara, CA
<ul style="list-style-type: none">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 usersOptimized 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 <i>Tascent, Inc.</i>	Jun. 2021 – Sep. 2021 Los Gatos, CA
<ul style="list-style-type: none">Trained CNN and tuned SVM kernel achieving 96% and 96.5% accuracy for low-res thermal motion detectionAutomated thermal image labeling pipeline, accelerating dataset generation from weeks to daysDeployed multi-sensor recording system (RGB/thermal/depth), improving liveness detection accuracy by 80%	
Software Developer <i>UnMesh, LLC.</i>	Oct. 2020 – Jan. 2021 New York, NY
<ul style="list-style-type: none">Programmed React Native UI for user profile statistics screen, fetching data with REST API from Node.js backendMigrated deployment from EC2 to microservices with MongoDB Atlas and AWS Lambda, reducing costs by 60%	

EDUCATION

UC Santa Barbara <i>Bachelor of Science in Computer Science, Technology Management Certificate</i>	3.71 GPA Aug. 2020 – Jun. 2024 Santa Barbara, CA
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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