

# Mateo Wang

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## EXPERIENCE

<b>Software Engineer</b> <i>Amazon, Inc.</i>	Jun. 2025 – Present New York, NY
<ul style="list-style-type: none"><li>Maintained and enhanced advertisement management platform powering <b>\$3B</b> in annual publisher revenue</li><li>Designed AI-powered podcast ad placement tool using AWS Transcribe, Lambda, and Bedrock that reduced ad placement creation time by <b>90%+</b> and cut advertiser onboarding time by <b>60%</b></li><li>Architected and launched PubTechFeatureFlag, an org-wide Java-based feature flag service adopted by <b>4 teams</b>, eliminating <b>300+</b> hours of redundant development across Publisher Technology organization</li><li>Participated in <b>4 on-call rotations</b>, resolved critical ad placement bug preventing <b>\$20K+</b> revenue loss</li></ul>	
<b>Founding Engineer</b> <i>ChipAgents, Inc.</i>	Aug. 2024 – Jun. 2025 Santa Barbara, CA
<ul style="list-style-type: none"><li>Built landing page w/ advanced anti-spam filtering, generating <b>200+</b> qualified leads in 6 months with &lt;1% spam</li><li>Developed Next.js web dashboard w/ RBAC for <b>50+</b> active users, reducing customer support inquiries by <b>40%</b></li><li>Streamlined CI/CD pipelines using GitHub Actions, reducing deployment time from <b>2 hours</b> to <b>10 minutes</b></li><li>Drove business development at <b>5+</b> industry events, engaging <b>100+</b> qualified leads &amp; demoing to <b>200+</b> attendees</li></ul>	
<b>Machine Learning Intern</b> <i>Moloco, Inc.</i>	Jun. 2023 – Sep. 2023 Redwood City, CA
<ul style="list-style-type: none"><li>Improved ad click-through prediction from <b>77%</b> to <b>85%</b>, increasing revenue by estimated <b>\$2.1M</b> annually</li><li>Doubled training lookback window from 14 to 28 days, improving accuracy by <b>17%</b> and reducing prediction drift</li><li>Implemented causal inference pipeline, enabling <b>more accurate</b> attribution modeling for advertisers</li><li>Utilized first-party data to train an LLM for high-fidelity user embeddings, improving campaign ROI by <b>20%+</b></li></ul>	
<b>Software Engineering Intern</b> <i>Invoca, Inc.</i>	Jun. 2022 – Dec. 2022 Santa Barbara, CA
<ul style="list-style-type: none"><li>Led and delivered scheduled email attachments feature on time to <b>500+</b> customers, increasing email clicks by <b>25%</b></li><li>Created custom date selector React component adopted across <b>15+</b> dashboard views for <b>1K+</b> daily active users</li><li>Optimized GraphQL and Ruby backend integration with MySQL database, reducing query latency by <b>40%</b></li><li>Eliminated <b>20K+</b> lines of legacy Backbone.js code during React migration, reducing bug count by <b>30%</b></li></ul>	
<b>Data Science Intern</b> <i>Tascent, Inc.</i>	Jun. 2021 – Sep. 2021 Los Gatos, CA
<ul style="list-style-type: none"><li>Trained CNN and tuned SVM kernel, achieving <b>96%</b> and <b>96.5%</b> accuracy for low-res thermal motion detection</li><li>Automated thermal image labeling pipeline, accelerating dataset generation from <b>weeks to days</b></li><li>Deployed multi-sensor recording system (RGB/thermal/depth), improving liveness detection accuracy by <b>80%</b></li></ul>	
<b>Software Developer</b> <i>UnMesh, LLC.</i>	Oct. 2020 – Jan. 2021 New York, NY
<ul style="list-style-type: none"><li>Programmed React Native UI for user profile statistics screen, fetching data with REST API from Node.js backend</li><li>Migrated deployment from EC2 to microservices with MongoDB Atlas and AWS Lambda, reducing costs by <b>60%</b></li></ul>	

## EDUCATION

<b>UC Santa Barbara</b> <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