Matthew Lau

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https://github.com/mattycakes14

EDUCATION

University of Washington – Seattle, WA　　　　　　　　　　　　　　　　　　Expected June 2027

Bachelor of Science in Computer Science, Paul G. Allen School

GPA: 3.96 /4.0 | Dean's List

Coursework: Object-Oriented Programming, Data Structures and Parallelism, Hardware/Software Interface, Linear Algebra, Multivariable Calculus, Probability & Computational Complexity

CERTIFICATIONS AND SKILLS

Languages: Python, Java, JavaScript, TypeScript, HTML, CSS, SQL, Go, Swift

Frameworks & Libraries: React, React Native, Next.js, Flask, FastAPI, Node.js, Express.js, Selenium, Expo Go, Tailwind, BeautifulSoup, LangChain, NumPy, TensorFlow, PyTorch, Transformers, HuggingFace, FAISS

Databases & Tools: Firebase, Supabase, Redis, Qdrant, Pinecone, Docker, Alembic, Git, Postman, Figma, AWS (S3, EC2)

EXPERIENCE

Clad Labs (YC F25) – San Francisco, CA　　　　　　　　　　　　　　　　　　June 2025 – September 2025

Software Engineer

- Architected ad content extraction pipeline partnering with DSPs to scrape website content and extract text from ad images via OCR, generating embeddings that increased ad text coverage by **22%**, web text by **33%**, and vector search accuracy by **11%**
- Built backend API proxies to inject contextual developer tool advertisements into AI workflows, leveraging LangGraph routing and Supabase state persistence to deliver personalized ad recommendations across multi-turn conversations
- Designed and implemented publisher-side management system by creating new PostgreSQL database schemas and writing complex raw SQL queries for CRUD operations, enabling consumer-facing LLM platforms to display and manage developer tool advertisements at scale
- Led early user acquisition across LinkedIn, Twitter/X, and Instagram, scaling a **10,000-developer** closed-beta waitlist and driving a **#1 Twitter/X News trend**

Eat Together – Seattle, WA　　　　　　　　　　　　　　　　　　　　　　January 2025 – September 2025

Full Stack Developer

- Integrated Yelp API to fetch restaurant data and developed an algorithm using weighted selections to tailor restaurant recommendations for **200+ meetups** between **500+ users**
- Developed interactive quiz system and Tinder-style swipe interface in React Native, enabling users to set dietary, price, cuisine preferences, and discover restaurants, with Firebase storing favorited selections
- Conducted user research with **100+ UW students** to identify core feature requirements, informing design decisions for cuisine filtering, dietary preferences, and favoriting functionality

Web Impact – Seattle, WA　　　　　　　　　　　　　　　　　　　　　　　January 2025 – June 2025

Frontend Developer

- Developed 'Meet Our Board' page for iMuslims, a Muslim student association of **50 students** in Informatics, web app using Next.js, implementing dynamic member profiles and responsive design
- Built a headless CMS integration using Sanity with structured content schemas, allowing board members to self-manage profile data and assets without developer intervention
- Facilitated and scheduled meetings with club members to gather requirements and align their vision into the design and development of a custom web application

PROJECTS

Briefly – Hiya Demo Day (**2nd place**)　　　　　　　　　　　　　　　　　　October 2025 – October 2025

- Engineered a multi-agent meeting prep system with LangGraph + FastAPI, enabling parallel data fetching from GitHub, Jira, and Notion APIs to auto-generate personalized 60-second voice briefings (**2s avg response**)
- Developed a React Native voice interface using OpenAI Whisper (STT) + TTS with custom audio recording (expo-audio), animated waveforms, and stateful conversation flows for hands-free prep
- Earned **2nd place** in the Productivity track by reducing context-switching for professionals juggling fragmented tools