

David Zhan

zhandavidz@gmail.com | (510) 508-0222 | linkedin.com/in/zhandavidz | github.com/zhandavidz | davidzhan.com

EDUCATION

University of Massachusetts Amherst
MS, Computer Science

GPA: 4.0
Expected Graduation: **May 2026**

University of Massachusetts Amherst
BS, Computer Science

summa cum laude | **GPA: 3.99**
May 2025

Coursework: Machine Learning, Networking, Data Structures, Algorithms, Databases, Systems, Web Dev, etc.

EXPERIENCE

TORQ Sports

Sep 2025 - Present

Software Engineering Intern

torqsports.com

- Collaborate with engineering team at fast-moving media startup focused on democratizing sports recruitment.
- Design new AWS infrastructure with Terraform; convert backend to microservices for resilience and scalability.
- Develop full-stack mobile features with Flutter, create CI/CD DevOps pipelines connected with AWS deployment.
- Engage in team stand-ups to ensure alignment and share blockers, incorporating feedback to accelerate delivery.

TrumpTech Digital Education Services

Jun 2025 - Aug 2025

Software Engineering Intern

trumptech.com/en

- Collaborated with all 4 developers at small Hong Kong edtech company serving local schools with learning tech.
- Architected agentic workflow with LangChain (Python) for creating custom lessons on new platform; reduced teacher friction, training, and onboarding time, aided in marketing and adoption of new platform.
- Designed React.js frontend and microservice backend with PostgreSQL and Go gateway for agentic workflow.

UMass Amherst — CICS

Feb 2024 - May 2025

Undergraduate Course Assistant (Undergraduate TA, 3 semesters)

groups.cs.umass.edu/uca

- **Outstanding UCA Award:** “extremely proactive, always steps up to help other course staff and has great ideas.”
- Graded assignments, taught concepts, helped students in computer systems (C) and web development courses.
- Increased student engagement during discussions, receiving positive feedback from professors and students.

PROJECTS

Expenser

Nov 2024 - Present

TypeScript/JavaScript, Python, LLM (Gemini), React Native, Expo

github.com/kimlengkit1/expenser

- App automatically scans and splits a receipt among friends when each item on the receipt will be split differently.
- Collaborated as large team with varying experience; dynamics and disagreements led to many conflicts.
- Stepped up as project manager, delegated tasks, mediated conflicts, answered questions, kept team on track.
- Resulted with near-ready demo app with basic functionality, able to present despite conflicts and issues.

Blahgenda

Nov 2022

JavaScript, React.js, HTML/CSS (Sass/Bulma)

blahgenda.dzhan.dev — devpost.com/software/blahgenda

- Winning submission to HackUMass X in the category Best Use of Appwrite.
- Collaboratively developed a calendar to maximize user efficiency and glanceability while remaining beautiful.
- Designed UI, improved page flow, implemented core features, presented final product to judges.
- Built with React.js and Sass CSS to quickly write efficient and maintainable code within the 36-hour hackathon.

SKILLS

- **Tools:** AWS, Terraform, LangChain, React.js, PyTorch/NumPy, React Native, gRPC, Docker/K8s, Git/GitHub
- **Languages:** JavaScript/TypeScript, Python, Java, C/C++, Go, C#, PostgreSQL, HTML/CSS/Tailwind
- **Spoken Languages:** Native English and Chinese (Mandarin) speaker