

# 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, Data Structures, Algorithms, Networking, Databases, Systems, Web Dev, etc.

## EXPERIENCE

### TrumpTech Digital Education Services

Jun 2025 - Present

*Software Engineer (Part Time) / Software Engineering Intern*

trumptech.com

- Collaborating with all 4 developers at small Hong Kong edtech company serving local schools with learning tech.
- Developing new Kubernetes pipelines with Helm charts to simplify deployment and reduce bad code duplication.
- Architecting and building agentic workflow for creating custom interactive lessons in new learning platform; reduces teacher friction, training, and onboarding time, aiding in marketing and adoption of new platform.

### CollaboTech

Jan 2025 - Mar 2025

*Software Engineering Intern*

(Japanese only) cus4.collabo-tech.co.jp

- Built CAD-like UI in Android Studio for industrial machinery, drawing 2D pathing and movement directions.
- Applied previous Java knowledge to learn Android development autonomously without previous experience.
- Delivered project milestones on schedule, with my UI design and functionality meeting all client specifications.

### 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

- Allow friends to scan and split a receipt automatically 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 lead, delegated tasks, mediated conflicts, answered questions, kept everyone 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 (Bulma/Sass)*

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 Bulma CSS to quickly write efficient and maintainable code within the 36-hour hackathon.

## SKILLS

- **Tools:** PyTorch, NumPy, pandas, LangChain, React.js, 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