

David Zhan

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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) / Former 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