David Zhan

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EDUCATION

University of Massachusetts Amherst Major GPA: 4.0 | **Overall GPA: 3.98**
MS, Computer Science Expected: Sep 2024 - **May 2026**
BS, Computer Science Expected: Sep 2022 - May 2025

Relevant Coursework: Data Structures, Algorithms, ML, Databases, Networking, Game Dev etc.

EXPERIENCE

UMass Amherst — CICS Feb 2024 - Present
Undergraduate Course Assistant (Undergraduate TA)

- Grade assignments, teach concepts, help students in computer systems and web development courses.
- Prepare for and present lessons, actively facilitating safe learning environment by encouraging questions.
- Increased student engagement during discussions, receiving positive feedback from my professor and students.

RadWatch — UC Berkeley Jun - Aug 2020, 2021
Summer Intern / Data Analyst Intern

- Worked on DoseNet, an international sensor network for improving community understanding of radiation.
- Implemented and integrated Python scripts and web tools to process and visualize lots of radiation sensor data.
- Wrote report on my scripts proposing potential use cases while summarizing and documenting my process.

Academic Talent Development Program Jun - Aug 2017, 2019
Teaching Assistant: Web Development, Programming in Java

- Analyzed student code, assisted in grading, and led many small groups of students in completing classwork.
- Guided groups to better collaborate with each other, be more responsible, and learn on their own.

PROJECTS

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.

Personal Website Oct 2017 - Present
JavaScript, HTML/CSS/Sass, Git, Linux davidzhan.com

- Overhauled a static HTML site to display my programming portfolio, experiences, and contact information.
- Applied Sass styling and JavaScript loading to reduce code duplication and improve maintainability.

Artemis Nov 2020
Godot Engine, GDScript (similar to Python) itch.io/jam/game-off-2020/rate/840095

- Placed in the top half of Game Off 2020, GitHub's annual month-long game jam, with my first game.
- Developed the game including code, sound design, and pixel art within one month with no prior experience.

SKILLS

- **Programming:** JavaScript/TypeScript, React.js, Python, Java, C, HTML/CSS/Sass, PostgreSQL, Git/GitHub
- **Languages:** Native English and Chinese (Mandarin) speaker