




# Zijie Wu

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## EDUCATION

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### University of Massachusetts Boston

*Bachelor, Computer Science BS, GPA: 3.6/4.0*

Boston, MA

*Sep. 2021 – Dec. 2025*

- Relevant Coursework: Data Structures, Algorithms, Operating Systems, Computer Graphics, Artificial Intelligence

### Malden High School

*High School Diploma, GPA: 3.8/4.0*

Malden, MA

*Apr. 2019 – Jun. 2021*

## PROJECTS

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### Interview Calendar | *React, Next.js, PostgreSQL, FastAPI, NetworkX*

- A full-stack interview scheduling web app that generates optimal time slots based on participants' calendars and preferences.

### Music Marble | *Next.js, Three.js, Rapier.js, TailwindCSS, Shadcn/ui*

- An interactive 3D physics sandbox where users can create marble runs that generate music.

### NATOPS Gesture Recognition | *Python, Scikit-learn, Matplotlib, Seaborn*

- A three-phase machine learning pipeline for classifying aircraft handling signals from the NATOPS.

## TECHNICAL SKILLS

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**Languages:** Python, JavaScript/TypeScript, PostgreSQL, Java, C, HTML/CSS

**Frameworks & Libraries:** FastAPI, React, Astro, Pandas, Scikit-learn, TailwindCSS

**Databases:** PostgreSQL, MySQL

**Tools & Platforms:** Docker, Git, GitHub Actions

## INTERESTS

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**Technical:** Machine Learning, Software Engineering, Full-Stack Development, UI/UX Design

**Creative:** Photography, 3D modeling

**Other:** Traveling, Cooking, Hiking, Gaming