

Zoë Fisk

Full-Stack Developer

EDUCATION

WORCESTER POLYTECHNIC
INSTITUTE

Computer Science BS (2026)

CREC ACADEMY OF
SCIENCE AND INNOVATION

High School (2022)

CONTACTS

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LinkedIn: linkedin.com/in/zjifisk/

SKILLS

Languages:

Java, C#, C++, Python,
TypeScript, JavaScript,
HTML/CSS, Lua, R

Frameworks & Libraries:

React, Next.js, Express.js, D3,
Vega/Vega-Lite, Material UI,
Mantine, Tailwind CSS, Zod
schemas

Databases:

MongoDB, Firebase, PostgreSQL,
Oracle

Tools & Platforms:

Git, GitHub, Vercel, Auth0,
NextAuth, Jira, Figma, VS Code,
JetBrains IDEs, Notion, Trello

Data Visualization:

D3.js, Vega, Vega-Lite, Three.js

Concepts:

Agile Development, Scrum, UI /
UX design, user study
implementation

RELEVANT COURSEWORK

CLASSES | WORCESTER POLYTECHNIC INSTITUTE

Intro to CS, Intro to Game Dev., Intro to OOP, Systems Programming, Machine Org. & Assembly, Algorithms, Social Implications of CS, Database Systems I, Discrete Math, Software Engineering, Webware, Database Systems II, AI for Game Development, Operating Systems, Data Visualization

PROJECTS | WORCESTER POLYTECHNIC INSTITUTE

- **Major Qualifying Project (MQP) (4-person team)**

- Developed a domain-specific language (DSL) to generate reference range number line (RRNL) health visualizations from structured JSON inputs, enabling rapid and customizable graph creation.
- Built a pipeline translating DSL specifications into Vega visualizations, supported by analysis of real RRNL examples to standardize key design attributes.
- Hosted a replicated study on RRNLs with 123 participants on Prolific.
rrnl-showcase.com — see more details, including the full report, study details, & graph editor

- **Interactive Qualifying Project (IQP) (4-person team)**

- During an interdisciplinary project in Nantucket from October to December 2024, we conducted stakeholder interviews on farming and agriculture as part of the "CARAT Assessment for Nantucket" on a 4-person team.
wpi.edu/nantucket/projects/2024-projects/carat — see more details

- **Software engineering course (9-person team)**

- Applied Agile development methodologies
- Created a web application prototype for Mass General Brigham Hospital.
- I acted as a co-lead engineer (for front-end) and co-project manager.

WORK EXPERIENCE

MOSAIQ SOFTWARE | SOFTWARE ENGINEER (VOLUNTEER)

March 2025 - December 2025

- Collaborated on a 15-20 person team
- React, Agile development

RICH FARM ICE CREAM (BRISTOL, CT) | ICE CREAM SCOOPER

October 2021 - August 2022

ACTIVITIES

WPI COMPUTER AND TECHNOLOGY CLUB

PRESIDENT: May 2024 - May 2025

SECRETARY: May 2023 - May 2024 & May 2025 - May 2026

FIRST ROBOTICS COMPETITION TEAM #3461

MENTOR: June 2022 - June 2024

STUDENT: October 2016 - June 2022