

**School Address:**

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**LUKE FOLEY**

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**EDUCATION:**

**Worcester Polytechnic Institute (WPI), Worcester, MA**

Master of Science in Computer Science, Aug 2024

Bachelor of Science in Computer Science, High Distinction, May 2024

Minor in Data Science

**SKILLS:**

**Programming Languages:** JavaScript, HTML, CSS, SQL, Python, TypeScript, Java, Alexa APL, MATLAB, Kotlin, C++

**Libraries and Frameworks:** React.js, Node.js, Bootstrap, Axios, Express.js, Chart.js, jQuery, Alexa Skills Kit, Sequelize, RESTful APIs, Plotly.js, D3.js, Tailwind, Flask

**Applications:** AWS Lambda, S3, pgAdmin, Git, Alexa Developer Console, Figma, Lucidchart, Postman, Jira, SolidWorks (CSWA Certified), WordPress

**JOB EXPERIENCE:** **Software Engineering Intern**, Bluefin Technology Partners, Worcester, May 2022 – January 2024

- Developer of the Holios platform – A portal for connected technology companies to track production log data and usage statistics
- Co-authored three Alexa Skills for Lucidum and Wharfside Watersports, using the Google Sheets API, Alexa Skills Kit, APL, and wireframing
- Tester for Taylor Guitars' TaylorSense app and the ContactNinja platform

**PROJECTS:**

**Data Visualization Literacy MQP**, Aug 2023 – Apr 2024

- Developed a mobile-first data visualization platform, educating users on advanced graphs and assessing their individual data visualization literacy scores
- Utilized React Native, React Native Paper, TypeScript, Figma, and AWS services

**Flextrack React Fitness Tracking Website**, Jan 2024 – Apr 2024

- Led the UI design and React development for the Flextrack website in a 3-person development team, being awarded the best final project in the class
- Used React, Axios, Bootstrap, TypeScript, Express, Sequelize, and SQLite

**Sentizard Machine Learning Application**, Sep 2022 – Dec 2022

- Project leader of a sentiment wizard application in a 5-person development team
- Developed and tested machine learning models such as Bernoulli Naive Bayes, SVM, LSTM, C-LSTM, and Bi-LSTM on a dataset of 1.6 million Tweets
- Employed Flask, TensorFlow, Keras, Bootstrap, Python, HTML, and CSS

**ACTIVITIES:**

**Vice President of Programming**, Beta Theta Pi Fraternity, Jan 2023 – May 2024

- Planned philanthropy events that raised over \$3,500 for ACE Worcester, ran community service events, Greek socials, formals, and worked with campus events

**Teacher's Assistant**, Scenic Design and Fabrication, Oct 2022 – Dec 2023

- Worked as a woodshop safety instructor and managed student construction teams

**Master Carpenter**, WPI Theatre, Nov 2020 – May 2024

**Local Coordinator**, Students for Liberty, Aug 2023 – Present

**Alpha Psi Omega Honors Fraternity**, Apr 2023 – May 2024

**Order of Omega Honors Fraternity**, Mar 2023 – May 2024