# LUKE FOLEY

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**Address:**

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**Links:**

linkedin.com/in/luke-foley

lfoley7.github.io/Luke_Foley_Portfolio

**EDUCATION:**

**Worcester Polytechnic Institute (WPI),** Worcester, MA
Master of Science in Computer Science, Jul 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