

Connor Beard

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Education

University of Michigan - Expected Graduation: May 2021

Ann Arbor, MI

Pursuing B.S.E. in Computer Science

Relevant classes: Programming and Data Structures, Computer Security, Video Game Development

Experience

University of Michigan Transportation Research Institute

Ann Arbor, MI

Programmer

May 2019 - Present

- Developed a report generation software python module that automates data retrieval for a database, chart generation, and outputs a pdf from a Django template and python module, decreasing the time it takes to generate reports and allowing funds to be distributed to new projects.
- Created reports for Michigan Traffic Crash Facts (MTCF), with the report generation software previously mentioned, to be distributed throughout the state of Michigan.
- Maintain a website used to retrieve data, display charts, and serve publications of traffic crashes in the state of Michigan which will be used by thousands of researchers around Michigan.

Xpress Copy Center

Grayling, MI

Software Engineer/Apparel Production Manager

June 2013 - August 2018

- Developed a full-stack website to emphasize the products and services provided by Xpress Copy Center resulting in an increased online presence and increased sales from a broader region of Michigan
- Operated and maintained \$50,000 worth of machinery to produce apparel made to customers' specifications and for retail sale resulting in higher customer satisfaction.
- Trained incoming employees on how to use the machinery safely and efficiently by using an action-based training approach, leading to a decrease in training costs and a safer work environment.

Projects

Handwriting Web App

May 2019 - Present

Developed a web app to teach young children how to write letters as an attempt to enhance modern teaching techniques with technology.

Skills used: HTML, CSS, JavaScript, Git, Flask, Jinja

Personal Website

September 2018 - Present

Developed a front-end website as an online portfolio or resume

Skills used: HTML, CSS, JavaScript, Git, UI/UX

Blue Board

January 2018 - April 2018

Designed and developed an electric skateboard that accelerates based on the center of mass

Skills Used: Arduino Programming, Regression testing

Skills

Computer Programming

- Languages: C++, Python, Javascript, HTML, CSS, Node JS, Bash, Java, PHP
- Familiar with programs such as JetBrains IDEs, Eclipse, VSCode, Git, Github, and Sublime

Additional

- Involved with on-campus activities such as the Michigan Mars Rover Team
- Has a passion for music and plays instruments such as the violin and percussion