

BRIAN MOKOTTOFF

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Seeking a co-op/internship in front-end software/web development. Available January-August 2024.

Education

Rochester Institute of Technology

Bachelor of Science in Software Engineering

Rochester, NY

Expected May 2025

GPA: 3.49/4.00

Awards: Dean's List (Spring 2023, Spring 2021, Fall 2020)

Extracurricular Activities: Habitat for Humanity, Maple Sugaring Society

Skills

Languages/Frameworks: JavaScript, React, HTML, CSS, Python, Java

Technical Skills: Git, APIs, Figma, PostgreSQL, Agile Development, Object-Oriented Programming, Microsoft Office

Soft Skills: Communication, Leadership, Collaboration, Time Management, Self-Motivated, Goal-Oriented

Experience

American Axle & Manufacturing

June 2022 – December 2022

Software Engineering Co-Op

Detroit, MI

- Independently developed a GUI in Python to facilitate the remote control of hardware test benches via an Arduino.
- Assisted lead engineers in testing diagnostic software modules for automotive Electronic Control Units (ECUs).
- Managed the documentation of ECU diagnostic software specifications as per customer requirements.
- Communicated and collaborated with a diverse international team daily.

Personal Projects

Playlist Maker for Spotify | React, JavaScript, HTML, CSS

- Developed and designed a web application with a responsive user interface to improve and extend Spotify's playlist creation process using the Spotify API.
- Users can easily create playlists containing an artist's entire music library and playlists that reflect their listening history over a specified time period.
- Utilized the OAuth 2.0 authorization framework to authenticate users and request access to their Spotify account.

Car Dealership Inventory Tracker | Python

- Developed a Python script to scrape inventory data from car dealership websites using the BeautifulSoup4 library and store this data in an Excel spreadsheet using the Openpyxl library.
- Compares the current inventory to the previous day's inventory spreadsheet to determine which vehicles have sold.
- Able to log inventory at a rate of approximately 700 vehicles per minute.

Car Lease Calculator | JavaScript, HTML, CSS

- Implemented JavaScript functions to calculate each component of the car lease payment from user-provided data.
- Designed a simple, modern user interface for performing calculations and viewing detailed lease payment summaries.

Password Generator | JavaScript, HTML, CSS

- Developed an algorithm to generate random passwords using the password length and characters specified by the user.
- Utilized the Clipboard API to allow users to copy the generated passwords with a single click.

Certifications

Scrimba Front End Developer Career Path

Completed a 70-hour course to gain a deeper understanding of front-end web development and UI design. Worked on various independent projects to reinforce the concepts introduced throughout the course.

View Certificate: <https://scrimba.com/certificate/u4KRWVc9/gfrontend>

Leadership

RIT Formula SAE Racing Team

May 2021 – May 2022

Composites Manufacturing Lead

- Oversaw the manufacturing of all carbon fiber components of the racecar (chassis and aerodynamic package).
- Trained new team members to ensure proper safety, material handling, and craftsmanship.