Cameron Sivo

Boston, MA • (508) 834-0735 • cameronjsivo@gmail.com • cameronsivo.com • GitHub • LinkedIn

EDUCATION

Northeastern University, Khoury College of Computer Sciences, Boston, MA   May 2024
Bachelor of Science in Computer Science, Minor in Music Performance

    Relevant Coursework: Web Development, Database Design, Fundamentals of Software Engineering, Networks & Distributed Systems, Algorithms & Data, Programming Languages, Object-Oriented Design, Foundations of Data Science

    Honors/Activities: Dean's Scholarship, Mentor for Computer Science Mentoring Organization (CoSMO), Section Leader for Northeastern Jazz Ensemble, Playing Saxophone and Guitar in Multiple Ensembles in Greater Boston Area

COMPUTER KNOWLEDGE

Languages: Python (pytest, pandas, seaborn, matplotlib, numpy, unittest), JavaScript, TypeScript, Java, SQL

Technologies: Node.js, React.js, Express, Next.js, MongoDB, PostgreSQL, Tailwind CSS, HTML, CSS, Git, Jest, Azure

Integrated Development Environments (IDEs): Microsoft Visual Studio, IntelliJ iDEA, Pycharm, Eclipse

Software: GitHub, BitBucket, Linux, Chrome DevTools, Postman, MySQL Workbench

WORK EXPERIENCE

Data Engineer Co-op   June 2023 – December 2023
Retail Business Services   Quincy, MA

- Led a team of 3 co-ops to automate task assignment and tracking using Microsoft Power Platform apps, transforming new project intake from a manual email-based system to an automated, streamlined workflow
- Conducted an in-depth analysis using Databricks to assess the consistency and model drift of the XSell Machine Learning Model's API logs, ensuring reliable recommendation results
- Executed an end-to-end validation of the search engine pipeline, pinpointing the loss of over 2,500 items and detecting critical allergen flagging errors in more than 4,000 allergen-sensitive items
- Implemented an enhanced resource tagging system via Databricks API in Azure to track resource usage by specific job functions, enabling accurate billing to associated brands

WRBB Software Engineer   September 2022 – June 2023
Northeastern University   Boston, MA

- Maintained a large WordPress installation which hosts information about Northeastern's radio broadcasting center and 100+ student-run radio broadcasts
- Developed a React app to streamline WRBB's vinyl library checkout system, replacing manual spreadsheet tracking

Software Test Automation Co-op   January 2022 – July 2022
Insulet Corporation   Billerica, MA

- Modified test automation framework to automate data logging of tests run on OmniPod™ devices
- Collaborated with a team of 2-3 software engineers to develop rigorous test cases using pytest and unittest in Python
- Refactored codebase to remove 500+ existing defects and ensure maintainability

PROJECTS

Portfolio Site | *TypeScript, Next.js, React.js, Tailwind CSS*   October – December 2023

- Designed a responsive and engaging interface for optimal mobile viewing, demonstrating proficiency in modern web development and responsive design

MangaMatch Recommendation Engine | *Express.js, Node.js, MongoDB, React.js, Bootstrap*   September – October 2023

- Engineered a book recommendation platform aimed at helping readers discover series based on individual preferences
- Implemented a recommendation algorithm utilizing one-hot encoding and cosine similarity for nuanced comparisons across book genres and themes

ZenGen Customized Meditation App | *React.js, Flask, Python, Bootstrap*   July – August 2023

- Developed a web application allowing users to customize the length, focus, and method of meditation sessions
- Integrated with ChatGPT to generate personalized meditation scripts based on user preferences in real-time
- Leveraged Text-to-Speech technology to provide users with real-time guided meditation sessions

Covey.Town Persistent Badge Database | *Typescript, React.js, PostgreSQL, Postman*   February – May 2023

- Developed additional features for Covey.Town, an open-source virtual meeting space for simultaneous video calls
- Coordinated with 3 teammates to implement a persistent database to allow users to register and save a profile
- Integrated a badge system to allow users to publicly display accomplishments to other players

INTERESTS

Playing Live Music, Songwriting, Sailing, Ergonomic Mechanical Keyboards, Fantasy Football