

Cameron Sivo

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EDUCATION

Northeastern University, Khoury College of Computer Sciences, Boston, MA May 2024

Bachelor of Science in Computer Science, Minor in Music Performance

Relevant Coursework: Algorithms & Data, Object-Oriented Design, Database Design, Fundamentals of Software Engineering, Networks & Distributed Systems, Computer Systems, Logic & Computation, Mathematics of Data Models

Honors/Activities: Dean's Scholarship, Section Leader for Northeastern Jazz Ensemble, Playing Saxophone and Guitar in Multiple Ensembles in Greater Boston Area

Hopkinton High School, Hopkinton, MA May 2020

Honors/Activities: Lead Programmer for VEX Robotics Regional Champion 2602J, Tri-M Music Honor Society, Lead Saxophonist for award-winning Hopkinton Jazz Ensemble, Pep Band

COMPUTER KNOWLEDGE

Languages: Python (pytest, matplotlib lib, numpy, unittest), JavaScript, TypeScript, Java, SQL, C, x86 Assembly

Technologies: HTML, CSS, Git, React.js, PostgreSQL, Jest, JUnit, Swing, WordPress, LaTeX

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

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

WORK EXPERIENCE

WRBB Software Engineer September 2022 – Present

Northeastern University Boston, MA

- Maintaining a large WordPress installation which hosts information about Northeastern's radio broadcasting center and 100+ student-run radio broadcasts
- Enhancing WRBB software through various projects, including simplifying the vinyl library checking out process

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

Student Network Technician August 2021 – January 2022

Northeastern University Boston, MA

- Performed wired and wireless troubleshooting in field, manually programmed and updated Cutsheet Databases (CSDB) regarding information from networks throughout various remote campuses
- Patched ports in dozens of network closets around campus through interconnecting fiber optic and ethernet cables
- Built network equipment configurations and develop software automation for network infrastructure

Parking Lot Attendant June 2020 – August 2021

RI Parking Company Newport, RI

- Provided customers with technical support concerning parking and ticketing and managed capacity of various lots

PROJECTS

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

- Developing additional features for Covey.Town, an open-source virtual meeting space for simultaneous video calls
- Coordinating 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

WRBB Record Library Tool | *React.js, SQL* September 2022 – Present

- Creating a React.js web application to streamline the process of checking out records on campus for over 100 student-run radio broadcasts
- Converting record library into a SQL database to manage over 10,000 vinyl records
- Developing a front-end interface to allow student DJs to search for records by various types of queries

JavaScript Calculator | *HTML, CSS, Javascript* July 2022 – August 2022

- Built an online calculator using to further understand manipulation of Document Object Model (DOM) in JavaScript
- Enables user to compute basic arithmetic and supports consecutive inputs of different operations
- Utilized methods in the DOM to increase accessibility through keyboard and mouse controls

INTERESTS

Playing Live Music, Songwriting, Sailing, Ergonomic Mechanical Keyboards, Android E-Ink Devices