

BENJAMIN MCCABE

benmcca.com | linkedin.com/in/benmcca | github.com/benmcca
benmccabe19@gmail.com | (201) 675-5676 | Ramsey, NJ 07446

Education

Albert Dorman Honors College, New Jersey Inst. of Technology

Expected Grad: May 2025

Bachelor of Science in Computer Science, **GPA:** 3.871/4.00, Dean's List

Relevant Courses: Data Structures & Algorithms, Object-Oriented Programming, Web Development, Linux Programming, Computer Networks, Data Science, Database Design & Management, Advanced Discrete Math

Skills

Languages: JavaScript, Python, C++, C, HTML, CSS, PHP, Java, Bash, SQL

Technologies: ReactJS, NodeJS, Google Apps Script, Google Cloud Platform, Anaconda, Git

Hardware Development: Raspberry Pi, Arduino, 3D Printing, AutoCAD, Amateur Ham Radio

Professional Experience

Software Engineer Intern, Optum / UnitedHealth Group - Basking Ridge, NJ

June '23 - Aug. '23

- Designed and built a responsive internal job board website using React and CSS, implementing drag-and-drop, filters, and search bar functionality to improve user experience when applying to roles.
- Created static and dynamic data retrieval endpoints using NodeJS to connect the database to the front-end website allowing users to view and interact with the positions offered.
- Integrated SQL update queries and update endpoints to ensure the database gets modified based on user interactions.

Developer Intern, Colgate-Palmolive - Piscataway, NJ

June '22 - May '23, Sept '23 - Present

- Developed multiple Google Chrome Extensions using Google Apps Script to automate data reporting and maintain synchronization of Test & Production databases on Splunk.
- Streamlined employee tasks and enhanced team efficiency by creating workflow tools and scripts to reduce manual tasks, resulting in improved ticket completion rates.
- Utilized the Stonebranch automation tool to schedule and manage IT processes held on SAP and Linux servers.

Software Engineer Intern, Becton Dickinson - Franklin Lakes, NJ

Sept. '20 - May '21

- Created a material science analysis desktop application that utilizes OpenCV image recognition to evaluate videos of different rubbers under increasing tensile stress.
- Applied the Pandas library to analyze the collected data, identifying strengths and weaknesses within each material to guide the development of medical syringes.

Computer Science Tutor, New Jersey Inst. of Technology - Newark, NJ

Jan. '22 - Present

- Facilitating weekly open lab sessions and conducting personalized one-on-one appointments with students focusing on introductory programming in Java, Python, C++, and JavaScript.

Projects

NJIT Bytes (Backend) | njitbytes.co | Google Cloud Platform

Nov '23

- Collaborated with a team at HackNJIT '23 to develop a Diet Recommendation Web App, leveraging our school's dining hall API and the OpenAI API to recommend daily meal plans to users.
- Created routes for communication between frontend and backend, implemented GCP Triggers to automate daily fetches from dining hall API, and stored that menu data in GCP Buckets.

Personal Website | benmcca.com | Javascript, CSS, HTML

Jan '24

- Designed and developed a personal portfolio website to showcase creativity and a passion for web development.
- Overcame challenges in JavaScript and CSS, creating an interactive user experience and a visually appealing site.