

# BENJAMIN McCABE

Personal Website: [benmcca.com](http://benmcca.com) | [linkedin.com/in/benmcca](https://linkedin.com/in/benmcca) | [github.com/benmcca](https://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:** Adv. Data Structures & Algorithms, Adv. Web Development, Intensive C Programming, Object-Oriented Programming, Computer Networks, Data Science, Database Design & Management

## Skills

---

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

**Technologies:** React.js, Node.js, Express.js, MongoDB, Google Apps Script, Google Cloud Platform, Oracle, SQL Server, Git, Splunk, Anaconda

## 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

---

**Personal Website | [benmcca.com](http://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.

**NJIT Bytes (Backend) | [njitbytes.co](http://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.