

BENJAMIN McCABE

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Education

New Jersey Institute of Technology (Albert Dorman Honors College)

2021-2025

Bachelor of Science in Computer Science, GPA: 3.92/4.00, Dean's List

Courses: Adv. Data Structures & Algorithms, Adv. Web Development, Mobile Programming, UI Design, Machine Learning, C Programming, Computer Networks, Data Science, Database Design & Management, Cybersecurity

Professional Experience

Software Engineer Intern, Colgate-Palmolive - Piscataway, NJ

Sept. '24 - May '25

- Enhanced product data quality and consistency by using JavaScript to sync attributes and digital assets within Stibo PIM, a data system that manages product content for online retailers.
- Implemented product archiving functionality to reduce clutter and streamline product management in Stibo.
- Improved customer access to nutrition facts by building a web UI to display product information online.

Software Engineer Intern, Optum / UnitedHealth Group - Boston, MA

June '24 - Aug. '24

- Migrated Jenkinsfile Pipelines to GitHub Actions, seamlessly integrating with a preexisting codebase, enhancing security and improving monitoring of CI/CD processes across 60+ repositories.
- Achieved \$400k in cost savings by eliminating licensing, storage, computing, and support costs.

IT Developer Intern, Colgate-Palmolive - Piscataway, NJ

Sept. '23 - May '24

- Automated CSV file transfers from AWS S3 to Google Drive using AWS Lambda, and developed a Google Apps Script to detect and convert incoming CSV files to Google Sheets.
- Collaborated with interns to create a server status dashboard using Google Apps Script and Splunk data, enhancing system health visibility with real-time updates.
- Integrated a Python script with Splunk for automated data retrieval from the Rapid7 API and developed user-friendly Splunk dashboards with interactive filters and time pickers.

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

June '23 - Aug. '23

- Developed an internal job board React App, with data retrieval endpoints using NodeJS to connect the database to the front-end, allowing users to view and interact with the positions offered.
- Implemented drag-and-drop, filter, and search bar functionality to improve user experience when applying to roles.
- Incorporated SQL update queries and update endpoints to modify the database based on user interactions.

Projects

DigiFit (Mobile App) | youtube.com/watch?v=bpV8qwx5OAY | Kotlin, Google Firebase

Dec. '24

- Developed a social media platform in Kotlin for Android, enabling users to create a digital closet by uploading photographs of their clothing and posting outfit combinations of their digital clothing items.
- Integrated an AI Background Remover API for transparent backgrounds of clothing, enhancing outfit visualization.
- Implemented Google Firebase for user authentication and data storage, enabling users to view and manage their digital closets and outfit posts.

myRotations (Full-Stack) | myrotations.vercel.app | React, Express, Node, MongoDB

May '24

- Built a MERN stack based social media platform, integrating iTunes API for music album display and listening, along with user commenting, prioritizing fluid UI and an interactive user experience.
- Implemented advanced features such as a search bar with filtering options, user authentication for commenting, and functionality for editing or deleting comments, enhancing user interaction and experience.

Leadership

Scrum Master, Optum / UnitedHealth Group - Boston, MA

June '24 - Aug. '24

- Led a team of interns by facilitating daily standup meetings, end-of-sprint retrospectives, and managing the Agile Board to effectively delegate tasks and ensure successful project delivery.

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

Jan. '22 - May '25

- Hosting weekly open lab sessions and offering personalized one-on-one appointments to assist students focusing on programming in Python, C++, Java, and JavaScript to achieve academic success.

Skills

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

Technologies: React, Node, Express, MongoDB, GHA, Jenkins Pipelines, Google Apps Script, AWS Lambda, Splunk, Stibo PIM, Google Cloud Platform, Android Studios, Postman