

# Peter Njoroge

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## EDUCATION

**University of Maryland College Park**

**College Park, Maryland**

*Bachelor of Science in Computer Science; GPA 3.5*

Expected May 2027

Honors/Awards: "University-Honors" Honors College, Shewell Keim Scholarship in Computer Science

Relevant Coursework: Object Orientated Programming, Data Structures & Algorithms, Computer Systems,

Organization of Programming Languages, Algorithms, Linear Algebra, Calculus I/II

## TECHNICAL SKILLS

**Programming Languages:** Java, Python, HTML, CSS, C, JavaScript, OCaml, Rust, Node.js, Arduino

**Programs/OS:** Visual Studio Code, Eclipse, PyCharm, Git, Linux, AutoCAD, Microsoft Office, MacOS, Windows OS

## TECHNICAL EXPERIENCE

**Amazon**

**Bellevue, Washington**

Software Development Engineering Intern

Summer 2025

- Incoming Software Development Engineering Intern (Mechatronics & Sustainable Packaging)

**J.P. Morgan Chase**

**Jersey City, New Jersey**

Code for Good

September 2024

- Delivered a solution in the highly selective CFG Hackathon, tasked with designing a technical solution for a non-profit

**Capital One**

**McLean, Virginia**

Software Engineering Summit

July 2024-August 2024

- Participated in Capital One's Black & Hispanic Tech Summit, engaging in advanced tech workshops, and a competitive hackathon, Developing a financial literacy platform for college students utilizing HTML/CSS, JavaScript

## PROJECTS

**Project: MyFGI (JP Morgan CFG Hackathon) | React.js, CSS, SQL Lite | [GitHub](#)**

September 2024

- Developed MyFGI, a platform enhancing financial literacy for the Non-Profit organization First Generation Investors
- Led the frontend team to develop a centralized hub for students, tutors, and admins using React.js and SQL Lite
- Implemented a secure user authentication system, **reducing login-related issues by over 50%**, by integrating React Router for seamless navigation and Axios for efficient API communication

**Project: PeterGotKicks | HTML/CSS, JavaScript, Node.js, Express.js, RestAPI | [GitHub](#) | [PeterGotKicks.com](#)**

**Founder & Developer**

April 2024-May 2024

- Developed a dynamic sneaker database website, resulting in a user-friendly platform that allows visitors to view detailed information about various sneaker models, by leveraging **Express.js** and **Node.js** for server-side routing and handling HTTP requests and HTML/CSS and JavaScript for the User Interface.
- Implemented a product pricing feature using **RestAPI's**, providing real-time price comparisons from different Resell Marketplaces including StockX, Goat, and FlightClub, enhancing the user's decision-making process, **saving users over \$100 per some models.**

**Project: Hospital Management System | Java, Java Swing | [GitHub](#)**

February 2024

- Designed and implemented a Hospital Management System using Java Swing for the graphical user interface and Java for the backend, showcasing skills in **backend engineering.**

- Developed an interface for hospital staff to manage patient info, appointments, and medications utilizing Inheritance

**Project: OTV Development | C++, Arduino, AutoCAD | [Presentation](#)**

September 2023-December 2023

- Planned, constructed, and developed a specialized Automated Guided Vehicle (AGV) for water sampling tasks.
- Orchestrated AGV navigation to autonomously collect a 20ML water sample, utilizing Ultrasonic Sensor for depth measurement, DIY salinity sensor for water assessment, and integrated Arduino Color Sensor for pollution detection.
- Led Arduino (C++) coding and debugging, ensuring communication between software & hardware.

## LEADERSHIP

**Code: Black UMD**

**College Park, Maryland**

President

June 2024-Present

- Organized events for minorities, fostering community engagement, and promoting diversity within tech opportunities

**National Society of Black Engineers (NSBE)**

**College Park, Maryland**

Member

November 2023-Present

- Leading initiatives to promote academic excellence, community engagement, and career development for Black engineers