

ALVAJOY ASANTE

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EDUCATION

University of North Carolina at Charlotte

Charlotte, NC

Bachelor of Science in Computer Science, Minor in Mathematics - GPA: 3.7/4.0

Expected May 2026

- **Awards:** Chancellor's List, Dean's List, NSF Research Grant, Road 2 Hire Scholarship, Hugh Edward Gray Scholarship
- **Leadership & Affiliations:** Freshmen Rep at BIT, Ambassador at Black Research Support Network, Road To Hire, ACM, NSBE
- **Relevant Coursework:** Multivariable Calculus, Data Structures, Algorithms, Probability and Statistics, Algorithms, Linear Algebra and Matrices, Computer architecture and Organization

SKILLS

Languages: Python, Java, C, C++, C#, SQL, HTML, CSS, JavaScript, Latex, Windows Batch

Frameworks: Google Cloud Platform, React.js, Node.js, Flask, JUnit, Material-UI, FastAPI, AWS

Developer Tools: Git, Github, Docker, VS Code, Visual Studio, PyCharm, Jupyter Notebook, Unix

Certifications: JavaScript Intermediate(SoloLearn), C Intermediate (SoloLearn), C# Intermediate (SoloLearn), Java, Python Intermediate (SoloLearn), Machine Learning Foundations (AWS), Introduction to Cloud 101 (AWS)

EXPERIENCE

CS Research Mentorship Program Scholar

September 2023 – Present

Google

Remote

- Collaborated with a pod to gain a deeper understanding of **computer science research** at Google and prestigious institutions.
- Gained access to different **Machine Learning, Quantum Computing, and Artificial Intelligence** industry and institution research projects via presentations and discussions.
- Received mentorship from **3+** experienced researchers at Google and gained insights into pathways to research.

Undergraduate Research Assistant

June 2023 – Present

Howard University

Remote

- Developed a website using **Google Sites / Google Products** for directing users to research project sign-up, overall gaining **1000+** user traffic
- Developed a data collection **automation framework** using **Python** and **Google Cloud API** easing the **data management** process by **20%**
- Collaborated with researchers on different projects from top universities/companies, including Clemson, Vanderbilt, Howard, and Google.

Instructional Assistant

January 2023 – Present

University of North Carolina at Charlotte

Charlotte, NC

- Assisted Professors Marlon Mejias and Nadia Najjar with demonstrations, helping **100+** students understand complex **Java** and **Python** programming concepts, such as **file I/O** and **algorithms**.
- Provided one-on-one tutoring to students and assisted **10+** students in improving their grades by at least one letter grade.
- Provided technical assistance to students during lab sessions, resolving over **80+** technical issues.

Summer Analyst Intern

June. 2022 – August 2022

Eastdil Secured

Charlotte, NC

- Assisted Multi-Family Analysts with **analyzing** financial **data**, creating reports, and collaborating with the team.
- Learned how to use **Excel** and Argus to analyze financial data and create reports, with a focus on commercial real estate.

Community Software Engineer

June 2017 – Present

Cemetech.net

Remote

- Developed over **10+** applications for hardware's using **C/C++**, **Windows batch**, **HTML**, **CSS**, and **JavaScript**.
- Created comprehensive documentation for software applications, resulting in a **10% reduction** in user support tickets.
- Managed code and **collaborated with community members** using **GitHub** and **Git**.

PROJECTS

Euclid | C, Python, PaLM 2 LLM API

August 2023 – Present

- Developed the first **Ethical AI** Math Tutor a calculator, Aimed to guide students to the answer rather than giving it to them like most LLM, also kept in consideration of legal educational student code.

Kira | React.js, Firebase, D-ID API, Postman

June 2023 – Present

- Developed and launched Kira, a personal AI advisor that helps minority communities build financial literacy. **Awarded first place** in the Capital One Black and Hispanic **Hackathon**, with over **10+** teams competing.

Virtual Trading Floor (VTF) | C#, AWS, Unity, Blender, Yahoo Finance API

Jan 2023 – April 2023

- Developed and implemented the Virtual Trading Floor (VTF) program, a virtual reality trading simulator that was awarded the Most Innovative award at the LPL financial **Hackathon**.

ReliQ | Java, Figma, Firebase

May 2018 – May 2020

- Developed a **mobile application** that rewards students in Title One schools for time management and assignment submission, making it a valuable tool for both students and teachers.