ALLAN MUIR

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# SKILLS

* **Programming Languages***: Java, Python (most proficient), C++, JavaScript (most proficient), Go, Swift*
* **Frameworks and Tools***: React,* *Bootstrap, Redux, Docker, Kubernetes, NodeJS, Hadoop, Kafka, Gitlab, Prometheus, Metal, VS Code, Jupyter, Cassandra, Linux, Unix, MongoDB*
* **Backend Proficiency***: React, Node.js, Python, Java, Go, GraphQL, Iceberg*
* **Database Systems***: SQL, NoSQL*
* **APIs and Architectur*e****: RESTful APIs, Microservices*
* ***Software Development Lifecycle Tools****: JIRA, Trello, GitHub*
* ***Cloud & DevOps****: Azure, Docker, Git, PowerShell scripting*
* **Other Tools**: Figma, Sketch, MS Project,

# LEADERSHIP & ACTIVITIES

* Peer Advisor
* Apple Scholar
* DC-Up Scholar
* Student Ambassador
* Apple Campus leader
* Lead Residential Advisor
* NASA Cam-star Ambassador
* UDC Judicial system Student Ambassador
* Voluntary UDC MASCOT (Firebird Felix)
* Industry & Programming Club – President
* National Society of Black Engineers (NSBE) – Treasurer
* Vice-President of the Graduate Student Body Association
* Thurgood Marshall College Fund (TMCF) Scholarship Recipient (April 2022)

# PROJECTS



## *Felix AI* Washington, D.C.

*Masters Project*

* Felix AI Student Success Solution uses React for the front-end, Flask for the back-end, and the OpenAI API to create an interactive chatbot. This system is designed to achieve a 90% success rate in resolving academic queries, with all responses branded as "Felix."

## Fraud Guard AI Atlanta, GA

## *TMCF Pitch Competition*

* Led a team of 7 to develop a fraud detection solution utilizing promo engineering, finishing 5th out of 25 teams in the competition.
* Managed project scope and ensured 100% on-time delivery within a 3-day deadline, collaborating effectively in a fast-paced, Agile environment.

**DeliberEAT Cupertino, CA**

*Apple intern Competition*

* Designed and launched a mobile app for personalized meal choices, downloaded by over 1,000 users within the first month.
* Created the company logo and crafted user-friendly home pages using Sketch and Figma, achieving a 4.8/5 user satisfaction rating.
* Demonstrated strong design and coding skills in a fast-paced, team-oriented environment.

## Tapin: Track, Avoid, and Protect from COVID-19 Washington, D.C.

*Hackathon Project*

* Built Led a team to develop a COVID-19 tracking website using HTML, JavaScript, Bootstrap, and Google Maps API, increasing protocol adherence by 50%. Managed timely delivery and responsive design, contributing to the successful launch.

**Laptop Loaner System Washington, D.C.**

University of the District of Columbia  
 *Project Manager*

* Developed a comprehensive database system managing laptop loans for over 300 students per semester.
* Integrated features like sign-up system, QR code integration, and Qualtrics survey, reducing laptop return delays by 25%.
* Demonstrated strong coding and project management skills through successful system implementation.

PROFESSIONAL EXPERIENCE

## NASA Cam-Star Washington, D.C.

*Software Engineer intern May 2024 - August*

## Taught students to replicate the Artemis mission, achieving a 95% satisfaction rate through hands-on learning experiences.

## Gained experience in coding and troubleshooting, preparing me for high-quality software development tasks.

**Apple Inc Cupertino, CA**

*Campus Leader May 2023 – May 2024*

* Organized and hosted over 20 events to promote Apple products, reaching over 5,000 students.
* Led cross-functional teams, increasing product engagement by 30% and event attendance by 20%.
* Provided technical support and collaborated with multiple departments, gaining experience in software and hardware troubleshooting.

## Apple Inc Culver City, CA

*Product Design UX/UI intern May 2022 – Aug 2022*

* Created detailed pixel-perfect mockups and interactive prototypes for Apple Maps, including features for transit card multi-stop routing, while addressing trademark considerations.
* Utilized Sketch, Adobe Photoshop, Figma, JavaScript, HTML, and CSS. Presented work to the internal design team, refining ideas and bringing them to life in code.

## United States Department of Defense Washington, D.C.

*Undergraduate Research Fellow May 2021 – Dec 2022*

* Applied Multilingual Sentiment Analysis (MSA) to predict threats from social media datasets using Python and NLP, resulting in a top placing at the NEDSI Annual Conference in 2022.

# EDUCATION

*University of the District of Columbia,*  **Washington DC** *Master of Science in Computer Science  Expected December 2024  
Bachelor of Science in Information Technology (Concentration in Cybersecurity) December 2022*

* GPA: 3.82/4.0
* Dean’s List 2019-2022