Isaiah Quattlebaum

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Education

Rensselaer Polytechnic Institute Troy, NY

In-progress Degree: B.S. in Computer Science *Fall 2023 - Spring 2026*

- **Class Status:** Junior after the Spring 2024 semester.
- **Class Completed:** Data Structures; Linear Algebra; Discrete Mathematics; Calculus 1-2; Physics 1-2.

Experience

Incoming Software Engineer Intern May 2024 – August 2024

Lockheed Martin RMS *Liverpool, NY*

Software Engineer Co-op February 2023 – August 2023

Lockheed Martin RMS (AN/APY-9 Radar: Radar Processing Bench AKA RPB.) *Liverpool, NY*

- **A RPB** is a high fidelity live virtual constructive radar test environment, that can be used to validate and verify advanced radar capabilities in a lab.
- **Completed six** Sprints as a member of the RPB software team, in which I worked on stories, completed/closed tickets, tested software updates, and collected analytical data from the RPB.
- **Worked alongside** a level 3 software engineer to complete a Jira epic concerning implementing a new software feature. This feature provided our customers with a new way to test flight simulations, and allows our customers to effectively deliver future E-2D mission capabilities to the aircraft.
- **Developed a** maintenance script for auto-generated datasets. The script recursively combed through directories, verifying that the directory's data is aligned with the guidelines set by my team, and, if needed, would restructure any incorrect directories.
- **Used Apache** Subversion and Atlassian Fisheye to update documents before a software release.
- **Languages used** during this Co-op: C++; Bash Script; MATLAB.

Research Intern June 2020 – August 2020

Columbia University's Lamont-Doherty Earth Observatory *Remote*

- **Research Topic:** Using tide gauge and GPS/GNET data to quantify the effects of Glacial Adjustment on the local sea level budget of Greenland and Northeast Canada.
- **Built upon** previous research by extending historical tide gauge and GPS datasets. Which were used to assess modern-day GIA models. I also updated the relative sea-level change estimates for Greenland
- **In order** to create projections for the tide gauge and GPS/GNET datasets, I used python to construct ARIMA and SARIMAX models. The projections were used to quantify the seasonality of the datasets and explore non-linear long-term trends.
- **Language used** during this internship: Python.

Technical Skills and Security Clearance

Languages: C++; Python; MATLAB; Bash Script.

Software Development Practices: Agile Methodology.

Developer Tools: Atlassian Server/Data Center Products (Jira; Fisheye; Crucible; Confluence; Bitbucket); Git; QGIS; Apache Subversion; Jupyter Notebook; Fortify Static Code Analyzer; Windows Subsystem for Linux; Linux (Red Hat; Ubuntu.)

Active DOD Security Clearance: Secret **Basis**: Tier 3. **Active Until**: August 17th 2025.

Active Special Access Briefings type: Derivative Classification.

Extracurriculars and Research Achievements

Groups/Societies: Phi Theta Kappa; Blacks In Technology; National Society of Black Engineers.

Research Achievements: I presented my research at the American Geophysical Union's Fall 2020 conference (ED037-0025.)