

Axel Aquino

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Education

University of Florida

Gainesville, FL

B.S. Computer Science, GPA: 3.43

Graduation Date: May 2024

Relevant Coursework: Software Engineering, Data Structures & Algorithms, Database Systems, Business Analytics & AI

Experience

Lockheed Martin - Space

Littleton, CO, Remote

Project Engineer Intern

May 2023 – October 2023

- Interned on the Agile Technical Strategy team under Information Technology & Digital Engagement.
- Designed and developed the UI/UX of an internal Collaborative Data Environment web application that held over 1,000 engagements with small businesses and universities.
- Increased IT & DE website traffic by 6.3%.
- Leveraged machine learning models to aid senior engineers in uncovering anomalies in over 50 sensors on the Orion spacecraft (NumPy, Pandas, Scikit-learn).
- Used tools such as Angular, Typescript, REST APIs, Python, Jupyter Notebook, and Figma.
- Worked within a multidisciplinary team to integrate digital transformation processes like generative AI and internal databases.

University of Florida - Academic Technology Labs

Gainesville, FL

Technology Consultant

August 2021 – Present

- Monitored computer labs and worked alongside UF Information Technology.
- Assisted lab users with hardware and software problems using Academic Technology Learning Space resources.
- Maintained and troubleshooted learning space hardware/software functionality and provided remote support through Privileged Access Management (BeyondTrust).

Skills

- Technical skills: Java, C++, Angular, JavaScript/Typescript, HTML5, CSS/Bootstrap, JUnit, Python, Jupyter Notebook
- Familiar tools: AWS, REST APIs, Unity, Next.js, React, MongoDB, Node.js, SQL, Postman, JIRA, R Studio, C#, Matlab
- UI/UX design: Figma
- Operating Systems: Linux, Microsoft Windows, MacOS
- Source and Version Control: Git, GitHub, GitLab
- Microsoft Suite: SharePoint, Excel, Word, PowerPoint, and Project

Projects

- **LearnLink:** Collaborated on a full-stack dynamic web application that empowers users to explore a vast array of educational topics tailored to their interests (*Next.js, Typescript, MongoDB, REST API*)
 - Integrated a dynamic search functionality, enabling users to effortlessly find and explore educational content based on their specific interests and preferences.
 - Contributed to the enhancement of user engagement by implementing user-curated content features.
 - Utilized MongoDB for efficient data storage and retrieval.
- **COVID-19 Analyst:** (*C++*)
 - Developed a data analysis program that sorts and presents 2020 worldwide COVID-19 data across 213 countries.
 - Reads over 53,000 data points from a CSV file containing raw worldwide COVID-19 data.
 - Runs algorithms merge sort and quick sort.
- **Custom Language Compiler:** (*Java, JUnit*)
 - Devised a Java-based compiler for a custom programming language that generates and manipulates images.
 - Constructed lexical and syntactic analyzers with code translation into Java for 26 abstract syntax types.
 - Conducted upwards of 350 unit tests using JUnit to ensure the reliability and functionality of the compile.