

Gabriel M.I. Allison

Junior Software Developer

OVERVIEW

Versatile software developer proficient in Python, with a background in enhancing backend solutions, deep learning initiatives, and API integration for mobile apps. Eager to bring innovative server-side applications and a commitment to technical excellence to your team.

EDUCATION

Florida Polytechnic University

2019 - 2023

B.S in Computer Science

- Gained a solid foundation in computer science principles and software engineering practices, focusing on developing problem-solving skills and technical expertise in programming, data structures, and system design.

EXPERIENCE

The Flood Insurance Agency

05/2021 - 09/2021

Software Developer Intern

- Managed a QA unit test environment on GitHub, streamlining collaboration.
- Enhanced product reliability with quality control tests and automated Python and SQL testing processes.
- Worked with cross-functional teams in software defect resolution and conducted extensive browser/platform exploratory testing for user experience optimization.

University of South Florida

12/2022 - 04/2023

Deep Learning Lexical Simplifier Project

- Directed a team to develop a deep learning model, simplifying sentences into child-friendly language using Python and TensorFlow.
- Established a remote-access Linux environment for team collaboration and model training.
- Optimized model performance, provided team guidance, and showcased the project's success in simplifying complex language.
- Utilized and built database of samples for training the machine learning model.

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08/2022 - 12/2022

Software Developer

- Developed RESTful C# API for a mobile language learning app and facilitated API communication with an online AI service.
- Designed UML diagrams and wrote documentation to enhance system architecture and API usability.
- Executed feasibility measurements to guide development process efficiency and factored the software requirements of the program.

SKILLS

Python, Java, C++, C#, .NET, HTML, CSS, JavaScript, Preact, SDLC, Agile Methodologies, UML, RESTful API, HTTP, SQL Databases, OpenCV, Machine Learning Algorithms, Data preprocessing, GitHub, Linux, Bash, PowerShell