

Alanza Blake

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EDUCATION

Spelman College
Bachelor of Science in Computer Science | *Magna Cum Laude*

Atlanta, Georgia
May 2022

SKILLS

Python | Kubernetes | Postman | GitHub Actions | PostgreSQL | Jupyter Notebook | C++ | Java | Go | UNIX | HTML | CSS | React JavaScript | Grafana | MySQL | Snowflake | Figma | Communication | Collaboration | Flexibility

EXPERIENCE

Optum

Remote

Associate Software Engineer

July 2023 – Present

- Support multiple eligibility file generation processes such as March Vision Care, Consumer DataBase within UnitedHealth Group, and Explanation of Benefits for Medicaid and Individual and Family Plan members.
- Built a Python module that extracts member data from a PostgreSQL database, formats it using JSON configurations, and generates eligibility reports for a given state, line of business, and frequency.
- Produced a Python library that enables Python engineers in the Tech Forward organization at UnitedHealth Group to send and retrieve files to and from a Network Attached Storage.
- Utilize GitHub actions to deploy code in multiple Kubernetes environments, including development, testing, and staging.
- Engage daily with senior leadership to ensure the best technical solutions for projects in the Tech Forward initiative, allowing us to provide a simpler and more efficient process.

Technology Development Program Associate

February 2023– July 2023

- Developed the Community & State Consumer Digital Dashboard which lets leadership analyze member and site metrics, helping them understand the customer journey and alleviate pain points in their UHC experience.
- Connected several data sources to the Grafana application to display various visualizations such as MyUHC page hits and errors, MyUHC member site experience, MyUHC traffic data, and member demographics.
- Assisted in the C&S Consumer & Digital Experience Portfolio's various initiatives, namely the Consumer Digital Dashboard, MyUHC.com support, and Generative AI exploration.

Technology Development Program Associate

July 2022 – January 2023

- Collaborated with a team to develop MongoDB Atlas deployments in the Disposable Cloud Environment.
- Applied software tools such as Terraform and Healthcare Platform Resource Manager (PRM) for clients to create MongoDB Atlas projects and associated clusters in an organization.
- Implemented programs in the Go programming language to create a PRM resource agent and to manage deployments using the MongoDB Atlas API.

Technology Development Intern

June 2021 – August 2021

- Created a full-stack application for the clinical AI onboarding process, where clinicians receive assistance on how to use a predictive Artificial Intelligence model as a colleague.
- Utilized Python and Jupyter notebook to implement a predictive AI model from preexisting clinical data.
- Implemented a Python module to receive necessary information about an AI model such as its accuracy score and important features.
- Developed a React.js user interface for the clinical AI onboarding process, where a clinician will learn information about the AI model, complete an interactive calibration, and view their calibration results.

COMMUNITY LEADERSHIP

- **Alpha Kappa Alpha Sorority, Inc. Pi Theta Omega Chapter** | Member | December 2023 - Present
- **Girls Who Code Spelman College Loop** | Vice President | August 2021– May 2022
- **Spelman Protégé** | Mentor | October 2020 – May 2022