# Jabez Agyemang-Prempeh

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## Education

**Howard University** **Aug. 2021 – May 2025**
*Bachelor of Science in Computer Science* *Washington, DC*

## Technical Skills

**Languages**: Python, Java, C++, Swift, JavaScript, HTML, CSS, C
**Developer Tools/Technologies**: Distributed Version Control, REST APIs,React Native, Flask, Android Studio, Xcode, Relational Schema (Back4App), Google Cloud Storage, AppEngine and GCP, Requirements Engineering and Technical Design, Full Stack Development, Web Development, Continuous Integration/Continuous Deployment (CI/CD)

## Experience

**Apple** **Current - 2024**
*Apple Software Engineering Intern - Find My* *Cupertino, California*

**Apple** **May 2023 - August 2023**
*Apple Software Engineering Intern - Find My* *Cupertino, California*

- Engineered comprehensive automation scripts for rigorous validation of "Find My" features, ensuring compliance with specifications and optimal performance across varied scenarios.
- Collaborated cross-functionally with engineers and QA specialists to enhance the robustness, reliability, and performance of the "Find My" ecosystem, contributing to significant improvements in user experience and system stability.

**Meta** **May 2022 – August 2022**
*Software Engineer Intern* *Seattle, Washington*

- Architected and developed robust Android applications using Java, leveraging Parse Back4App Database SDK and various API integrations to enhance functionality and user experience.
- Spearheaded the end-to-end development of the PeerRequest project, an innovative task management platform, driving increased user engagement and streamlining task completion processes through seamless UI/UX design and backend efficiency.

**Google Tech Exchange Scholar** **January 2023 – May 2023**
*Participant - Full Stack Web Development* *Remote*

## Projects

**PeerRequest** | *Java, Parse, Android Studio, FusedLocationAPI, Cloud Code* **August 2022**

- Developed a Java-based Android app from conception, enabling users to create and view task listings and request completion from other users.
- Incorporated Google Maps and the FusedLocation API to showcase nearby tasks as markers on a map, offering a seamless user experience.
- Implemented dynamic chat and notification features to facilitate communication between users.

**FoodChoice - Restaurant Tinder** | *Swift, Objective-C, Places API, Parse* **April 2023**

- Conceptualized and developed a dynamic iOS app using Swift and Objective-C, that allows a user or group of users to find places to eat near them in a swipe left-right tinder like fashion
- Boosted user engagement by enabling group sessions, where friends can collaboratively select a restaurant based on a heuristic algorithm considering votes and budget constraints.

**DIJ Wiki** | *Full Stack Development— Python, Flask, HTML, CSS, Google Cloud Platform (GCP)* **May 2023**

- Engineered a comprehensive wiki website leveraging Python and Flask framework, effectively utilizing HTML and CSS for enhanced web design aesthetics.
- Implemented robust user authentication and data storage solutions using Google Cloud Storage, and optimized the development process through Continuous Integration/Development methodologies.

**X-ray Image Analysis and Prediction with ResNet-18** | *Python, PyTorch, Deep Learning* **April 2024**

- Fine-tuned a ResNet-18 multimodal model to classify X-ray images and predict conditions such as Pleural Effusion, Pneumonia, Pneumothorax, and Atelectasis
- Enhanced model accuracy and robustness through meticulous preprocessing and augmentation of the X-ray image dataset.