

Griffin Newbold

(352) 421-8064 | griffinnewbold@gmail.com | digital portfolio

Education

Columbia University, New York, NY
Bachelor's of Science, Computer Science

Graduation: May 2025
Major GPA: 3.90/4.00

Relevant Coursework

Data Structures

User Interface Design

Advanced Software Engineering

Artificial Intelligence

Advanced Database Systems

Mobile App Development: iOS

Experience

Head Teaching Assistant, Columbia University

September 2024 – Present

- Created course assignments and rubrics, as well as managed a team of over 15 teaching assistants in a course with over 100 students.

Software Engineering Intern, Capital One

June 2024 – August 2024

- Implemented a proof of concept dynamic limits policy to allow more than 5,500 users to request a one-time limit increase, capturing an additional \$400+ million worth of deposits annually.
- Collaborated with multiple teams to coordinate efforts regarding the limits increase intent.

Teaching Assistant, Columbia University

January 2022 – May 2024

- Enhanced student learning through weekly office hours and supplementary course materials, as evidenced by improved scores and feedback surveys.
- Actively participated in weekly team meetings, providing valuable input and contributing to an improved student experience.

Technical Skills

- **Programming Languages:** Proficient in: Java and Python | Experience with: HTML, CSS, JavaScript, Swift, Kotlin, C, and Haskell
- **Technologies:** Eclipse, VS Code, React, JavaFX, MySQL, PostgreSQL, Firebase, Android Studio, GIT, Angular

Projects

QuizzyBee

October 2024 – December 2024

- Led a 5-person team to develop an iOS app using Swift, enabling users to create flashcard sets and review them through interactive quizzes powered by OpenAI.
- Integrated OpenAI and ElevenLabs APIs to generate quiz content dynamically and provide voice dictation features for an enhanced learning experience.
- Leveraged Firebase for real-time data storage and Figma for designing the UI

HealthDocs

September 2023 – December 2023

- Successfully led development of a large software project using Java Spring, creating an in-house API to service users with document details and an accompanying web app.

University Management System

March 2023 – April 2023

- Developed and implemented a comprehensive web-based system using Python, Flask, Jinja, HTML, CSS, and PostgreSQL, enabling various user roles to perform essential actions.

Certifications and Awards

- **Oracle Certified Associate** | Java SE 8 Programmer I
- **Questbridge National College Match Scholarship** | A full-ride scholarship awarded to high-achieving first-generation low-income students