Griffin Newbold

(703) 298-2622 | griffinnewbold@gmail.com | digital portfolio

Education

Columbia University, New York, NY   **Graduated May 2025**
Bachelor's of Science, Computer Science   Major GPA: 3.94/4.00

Experience

Capital One
Associate Software Engineer   **August 2025 – Present**
Software Engineering Intern   **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.

Columbia University Department of Computer Science
Head Teaching Assistant   **September 2024 – May 2025**

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

Teaching Assistant   **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, Relational Databases, Firebase, Android Studio, GIT, Angular

Projects

TheHumorProject   **January 2025 – Present**

- Led development on iOS mobile app for 'Crack'd' which enables users to select images to receive funny captions powered through an AI powered pipeline.
- Worked in parallel alongside API and Web development teams to ensure users' needs were met and design stayed consistent.

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.

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.

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