

# Griffin Newbold

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## Education

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

**Expected Graduation: May 2025**  
Major GPA: 3.82/4.00

## Relevant Coursework

Data Structures

Computational Linear Algebra

Software Engineering

Advanced Programming

Introduction to Databases

Clean Object-Oriented Design

## Experience

**Teaching Assistant, Columbia University**

**January 2022 – Present**

- Enhanced Student's learning as demonstrated by cumulative scores and feedback surveys by holding weekly office hours and developing plenty of supplementary course materials
- Actively participated in weekly team meetings, providing valuable input, and heavily contributing to the improved experiences of students

**Front-end Web Developer, CodePrentice**

**September 2021 – May 2022**

- Selected as one of five candidates from a competitive pool of dozens of applicants for the front-end developer position.
- Successfully maintained and updated the company's website, ensuring its smooth operation and usability.

## Technical Skills

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

## Projects

**HealthDocs**

**September 2023 - December 2023**

- Successfully led development on a large software project made with Java Spring which included creation of an in house API to service users with different details about uploaded documents as well as an accompanying web app.

**University Management System**

**March 2023 - April 2023**

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

**DreamJourney**

**February 2023**

- Successfully developed a dynamic web application that allowed users to track their dreams by leveraging Flask, React, JavaScript, HTML, CSS, and Firebase to create an interactive platform
- Enabled users to submit dream text, retrieve dream-generated images using the Stable Diffusion API, and view the consolidated data on their personalized dashboards.

## 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