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Charles Camden Spehl

EDUCATION

B.S Computer Science – *Clemson University, SC*

Expected Graduation: May 2025
- Current Cumulative GPA: 4.0/4.0
- Honors College Student
- Relevant Coursework: Programming Methodology(C/C++), Algs & Data Structs(C++), Computer Org(C/ARM), Foundations of Software Dev(Java)

EXPERIENCE

Junior Full Stack Engineer – *Classroom Mosaic, Irmo SC*

May 2023 – Present
- Automated PDF conversions using OpenAI and Adobe APIs in Ruby on Rails, cutting manual conversion time from employees by 10 hours per week.
- Engineered a user-centric form builder utilizing JavaScript, Backbone, and JQuery, allowing users to modify forms directly, eliminating the need for a customer service interaction. This involved creating Rails API endpoints and managing a MySQL database.
- Accomplished front-end design implementation using Figma and Tailwind CSS, resulting in a more cohesive, user-friendly UI.

Software Engineer Intern – *Coding Rooms, San Francisco, CA*

May 2022 – Aug 2022 (remote)
- Engineered and deployed productivity enhancements in Angular, enabling teachers to streamline their workflows and manage their courses more efficiently.
- Planned and developed a feature that allowed deleted assignments to be recovered within ten days, reducing dependency on the support team.
- Began working here after being a platform user who made curriculum and grading for a course using their beta application.

CS Curriculum Developer Intern – *Dutch Fork High, Irmo SC*

Aug 2021 – May 2022

- Devised and instructed Computer Programming 2 curriculum using Coding Rooms, providing foundational instruction for 20 students and cultivating their programming skills based on AP Computer Science A concepts.
- Spearheaded the integration of real-world programming challenges to promote critical thinking, practical application and examples into the learning process.
- Instructed on advanced Python features, interpretation of documentation, integration of HTML/CSS with JavaScript, ReactJS, and API usage, enhancing the students' proficiency and understanding of various programming elements.

SKILLS

Programming Languages:		Frameworks:	
Python	(advanced)	Ruby on Rails	(proficient)
Javascript	(advanced)	Flask	(proficient)
Ruby	(proficient)	Angular	(proficient)
Java	(proficient)	React	(proficient)
C++	(proficient)	JQuery	(proficient)
C	(Beginner)	BackBone.js	(proficient)