Sabal Schuster

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EDUCATION

University of Florida — Gainesville, FL
Bachelor of Arts in Computer Engineering (GPA: 3.95) — *May 2028*

Relevant Coursework
Digital Logic, Data Structures and Algorithms, Circuits, Advanced Programming Fundamentals, Discrete Structures

EXPERIENCE

Programming 1 Online Teaching Assistant — August 2025 – Present
University of Florida — *Gainesville, FL*
- Hold regular office hours to assist students with debugging code and constructing projects and labs
- Construct and manage Canvas course, teaching **Python**

Head of Operations - Software Engineering Club — August 2025 – Present
University of Florida — *Gainesville, FL*
- Managing and allocating funds for club events, workshops, and GBMs
- Handling reimbursement and payment requests with the university and sponsors
- Leading organizer of competitions, i.e. the annual Leetcode competition

Programming 2 Teaching Assistant — January 2025 – May 2025
University of Florida — *Gainesville, FL*
- Lead discussion period of over **25** students, teaching students C++ content
- Hold office hours to assist students with projects
- Debug student project and lab code

Research and Development Intern — June 2024 – August 2024
Wham Bam — *Hollywood, FL*
- Led the documentation and research of the development of a new proprietary product
- Assisted in running over **100** tests on new product: carbon fiber build plate
- Assisted in CAD design and 3D printing of various accessory products

PROJECTS

Real Estate Website | *JavaScript, React, PHP, Material UI, MySQL* — July 2025 – Present
- **Full stack** real estate management designed to manage tenants, properties, and maintenance requests
- Handle payment systems, user privileges, database management

AI Voice Trainer | *Python, React.js, Node.js* — August 2025 – Present
- Working on an AI trained to pick up accent pronunciation issues for a variety of languages and accents
- Trained using **thousands** of voice clips of native language speakers
- Optimized with a user friendly-front end design with React.js

YouTube Title Analyzer | *JavaScript, React, Material UI, Github* — February 2025 – April 2025
- Created front-end only webpage that analyzes the quality of video titles using a set of **100,000 YouTube videos**
- Constructed, compared, and animated **Hashmap** and **Trie** for optimal word searching
- Worked extensively with team members to brainstorm and collaborate on project

AWARDS AND RECOGNITION

- UF Honors
- AP Scholar with Distinction
- Broward County Athletic Association Scholar Athlete
- Broward County Public Schools Outstanding Senior Leader

TECHNICAL SKILLS

Languages: C/C++/C-sharp, JavaScript, React.js, Material UI, HTML, CSS, MySQL, Java, Python, PHP, Arduino
Developer Tools: VS Code, Github, Clion, PyCharm, Visual Studio, Fusion 360, MS Excel