JULIO BARAJAS

901-343-9458 | Website: https://juliobarajas.github.io/ | juliob1371@gmail.com | GitHub: juliobarajas I LinkedIn

---

EDUCATION

Bachelor of Science Degree
The University of Memphis

August 2019 - May 2023

- Major: Computer Science
- Relevant Coursework: Software Engineering, Human Computer Interaction, Database and Process Design, Operating Systems, OOP and Data Structures, Digital Forensics, Data Structures and Algorithms, Programming Languages, Discrete Structures, Computer Security
- 3.57 GPA, Dean's List student

EXPERIENCE

January 2023 – May 2023

PeerPresents Technical Advisor

- Managed a software development group of 3 students at The University of Memphis developing data display feature for instructors on the PeerPresents website under the supervision of Dr. Cook.
- Spearheaded management of the project and demonstrated leadership by providing instruction to developers, leading weekly code reviews, informing team of tasks, and communicating weekly team progress to Dr. Cook.
- Leveraged knowledge in full stack web development, microservice architecture, Git, React.js, and MongoDB to effectively manage the project and team resulting in functioning data page for instructors where they can create datasets made up of specific student presentations to view student statistics.

SKILLS & ABILITIES

Software

- Java, Python, HTML, CSS, JavaScript, React.js, Django, SQL, Git

Languages

- English & Spanish (Native or bilingual proficiency)

SOFTWARE PROJECTS

English Language Parser

- Developed frontend with Python and Django for user to manually enter English grammar or upload a .txt file and receive parts of speech information about their grammar.
- Utilized parsimonious parser to write parsing expression grammar rules and natural language toolkit to identify the English words resulting in the ability to parse all English grammar.
- Used HTML, CSS, and Chart.js to display returned parts of speech data of the user's grammar in an easy-to-read table and bar graph.

Coffee Maker Project

- Employed Java to program and simulate functionality of a coffee maker at a coffee shop to brew a user/customer's coffee then calculate the total cost based on coffee strength and any extras.
- Implemented OOP principles in methods to handle brewing, calculating cost when pouring, interruption of coffeemaking process, and replacing of pot.
- Set up a driver class, setters & getters, and information hiding resulting in encapsulation.