JULIO BARAJAS

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EDUCATION

Bachelor's 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

Peer Presents Technical Advisor

January 2023 – May 2023

- Served as technical advisor for a software development group of students at The University of Memphis developing data display feature for instructors on the Peer Presents website under the supervision of Dr. Amy Cook.
- Provided instruction, explained codebase, helped developers, reviewed pull requests, led code reviews, updated GitHub documentation, and troubleshooted technical errors related to website.
- Leveraged knowledge in: Full Stack web development, microservice architecture, Git, ReactJS, JSX, HTML5, CSS3, JavaScript, MongoDB.

SKILLS & ABILITIES

Software (Proficient)

- Java, Git, Bash Shell, ZSH Shell, Windows Subsystem for Linux, Ubuntu, Visual Studio Code, Microsoft word, PowerPoint, Excel.

Software (Familiar)

- Python, React.js, JavaScript, Ruby on Rails, Eclipse, Sublime Text, MySQL, MongoDB, NodeJS, JSX, HTML, CSS, Django.

Languages

- English & Spanish (Native or bilingual proficiency)

SOFTWARE PROJECTS

Coffee Maker Project

- Used Java and OOP principles 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.
- Developed methods to handle brewing, calculating cost when pouring, interruption of coffeemaking process, replacing of pot, and various setters & getters.

English Language Parser

- Developed English language parser website using Python, HTML5, CSS3, and Django.
- Utilized parsimonious to parse English language and wrote grammar rules using regular expressions.
- Developed Frontend UI for user to enter English sentence or upload a text file and receive parts of speech information about sentence displayed in a bar graph.