Anthony Castillo

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EDUCATION

University of Houston	Houston, TX
Bachelor of Science, Computer Science, Minor: Mathematics	**Dec. 2023**

- **Coursework:** Algorithms and Data Structures, Computer Organization and Architecture, Data Science and Machine Learning, Data Science and Statistical Learning, Data Science I, Database Systems, Fundamentals of Operating Systems, Fundamentals of Software Engineering, Intro to Computer Networks, Intro to Interactive Game Development, Programming and Data Structures, Software Design, and Statistics for the Sciences

San Jacinto Community College	Houston, TX
Associate of Science, Computer Science	**May 2020**

SKILLS

Programming Languages: C/C++, Python(Pandas, NumPy, Scikit-learn, etc.), JavaScript, HTML/CSS, SQL, R, C#
Frameworks and Tools: React, Node.js, Unity, Git, WSL(Windows Subsystem for Linux), LaTeX, Microsoft Office(Word, Excel, Powerpoint), VS Code, Visual Studio, PyCharm, RStudio
Languages: English, Spanish

PROJECT EXPERIENCE

Portfolio Website	HTML, CSS, JavaScript	**Dec. 2023 - Present**

- Developed a modern, responsive portfolio website with an intuitive and user-friendly layout
- Implemented mobile-first design principles for optimal performance across devices

Ratpocalypse: Rise of the Cat Warrior	Unity, C#	**Sept. 2023 - Nov. 2023**

- Designed and developed a 2D rogue-like game, incorporating engaging visual elements and gameplay mechanics
- Engineered the combat and movement systems, enhancing player interaction and game dynamics

Fuel Rate Application	React, Node.js, SQL	**Sept. 2023 - Nov. 2023**

- Developed user account management features using React and integrated with SQL database
- Implemented backend services and database interactions for seamless application functionality

Breast Cancer Diagnosis	Python (NumPy, Pandas, Seaborn)	**May 2023 - May 2023**

- Applied classification algorithms (Logistic Regression, Decision Tree, Random Forest, K-Nearest-Neighbor, Naive Bayes) to predict breast cancer likelihood
- Collaborated in data analysis and model evaluation to enhance prediction accuracy

Multithreading	C++	**April 2023 - April 2023**

- Utilized POSIX semaphores and pthreads to implement multithreading and inter-process synchronization
- Developed a Huffman decompressor to handle multithreaded text file decompression and reconstruction

WORK EXPERIENCE

Warehouse Associate	**July 2023 – Present**
Amazon	

- Ensured accuracy by meticulously organizing and maintaining warehouse inventory, facilitating efficient order processing and reducing errors
- Utilized problem-solving skills to address order issues, ensuring timely and accurate deliveries
- Collaborated with team members to achieve daily production goals, focusing on precise execution to meet and exceed performance targets

Delivery Helper	**June 2018 – June 2023**
Castillo Trucking	

- Assisted in logistics and assembly tasks, demonstrating reliability and attention to detail
- Managed client interactions and resolved delivery issues effectively