Lauryn Brough

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EDUCATION

The University of Texas Rio Grande Valley (UTRGV), Edinburg, TX   Graduation: May 2020
B.S. in Computer Science   **GPA: 3.8**
> **Course Work**: Algorithms and Data Structures, Object Oriented Programming in Java, Software Engineering II, Systems Software

PROFESSIONAL EXPERIENCE

Software Engineering Internship at Target   June 2019 – August 2019
Summer Intern
- Worked on a team with full time employees managing and debugging Warehouse Management Software
- Handled incoming issues with database and improved scheduled times for weekly or monthly server shutdowns
- Learned Rust to add-on additional features and potentially replace the existing Warehouse Software

NSF LSAMP Program and Machine Learning Research at UTRGV   June 2018 – May 2019
NSF LSAMP Scholar/Research Assistant
- Conducted Research to encourage exploration of AI in a survival game environment through Machine Learning
- Collected and analyzed data from 100s of unsupervised machine learning testing phases
- Presented research multiple times to about 100 students and professors across the UT System
- Actively participated in use of Mercurial Version Control with Python language using TensorFlow

Club Code at UTRGV   November 2017 – May 2018
Student Assistant
- Taught computer science concepts to about 50 elementary school teachers to host after school programs for minorities and provided 8 activity guides to engage their students with computer science topics

Artificial Intelligence/Game Development Research at UTRGV   June 2017 – August 2017
Research Assistant
- Researched the use of machine learning and artificial intelligence for controlling actions of agents and learning from the environment in a game-like world
- Created 5 aspects for the environment capabilities and scripting for non-AI entities using Python

PROJECTS

Geeky Math   August 2015 – June 2016
- Created, presented, and marketed an Android app to teach number base conversation skills with team
- Actively participated in use of Git Version Control with Java and XML languages
- Competed against 50 other students at the State level

SKILLS & CERTIFICATIONS

- Proficient in Python, Java, and C++. Knowledge of C, HTML/CSS, mySQL
- Skilled in technical writing, presentations, leadership, and organizational skills
- Certifications: CompTIA A+, Microsoft Technology Associate: Software Development Fundamentals
- **Languages:** Native in English; limited working proficiency in Spanish and German

ACTIVITIES

UTRGV Student Government Association (SGA)   May 2017 – April 2018
Senator
- Communicated with students for their concerns as well as serving on committees to handle problems throughout the university.
- Drafted 2 pieces of legislation for the Rules and Procedures Governing Document and a piece for the Bylaws to provide more order and easier to understand information to the student body.
- Hosted 5 Events throughout the school year to better communicate with students and promote school spirit

Sergeant at Arms
- Handled keeping attendance records for 22 senate meetings and advising Senators on Parliamentary Procedure.
- Coordinated constantly with the Chair of the Senate to organize and run meetings for Student Senate.