ERROL WILLIAMS II

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EDUCATION

The University of Texas at Austin Bachelor of Science in Electrical Engineering May 2020
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EXPERIENCE

Texas Research Experience (TREX) – Researcher with Professor Robert Heath; Austin Fall 2018
- Studying machine learning with graduate student Monica Diaz

Trend Micro – Research and Development Intern; Austin, TX Summer 2018
- Worked as a developer as part of a scrum team to port existing device to Amazon Cloud
- Wrote developer tools to facilitate workflow in Python and Bash
- Added integration of device logs with Amazon S3 and Slack via AWS Lambda and AWS CloudFormation

Equal Opportunity in Engineering – Private Tutor; Austin, TX Fall 2017 – Spring 2018
- Aid students in understanding their engineering coursework
- Tutored for both EE319K(Embedded Systems) and EE312(Software Design I)

SKILLS

Computer Skills: C/C++, ARM ISA, Python, Java, JavaScript, HTML, CSS
Operating Systems: Linux/Unix/Unix-based, Windows, MacOS

Related Coursework

- EE 319K Introduction to Embedded Systems
- EE 422C Software Design and Implementation II
- EE 107S Introduction to Linux
- EE 313 Linear Systems and Signals
- EE 351K Probability
- EE 325 Electricity and Magnetism
- EE 360C Algorithms

PROJECTS

Trend Micro Global 2018 AI Contest Summer 2018
- Created a bot that used a convolutional neural network to play Texas Hold'em. Trained neural network using both classification and reinforcement learning methods.

EE 319K Video Game on TI Launchpad Spring 2017
- Implemented and Designed a working version of Super Mario Bros on the TI Launchpad and displayed graphics on a Stellaris LCD screen

ACTIVITIES

IEEE Communications Society - *Active Member* Fall 2016 – Present

National Society of Black Engineers - *Active Member* Fall 2016 – Present

HONORS

- University Honors (4 semesters) Fall 2016 – Present
- Harry and Ruby Gaston Endowed Scholarship Fall 2017
- EOE Endowed Scholarship Spring 2017
- H&R Block Budget Challenge Scholarship Spring 2016