

BRYCESON LAING

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Professional Summary

Self-motivated, hard-working undergraduate student in Computer Engineering with a broad knowledge of programming languages. Successful completion of research, personal, and team projects demonstrate skills in software engineering and computer systems.

Skills

From Supporting Coursework

- Software Development
- Data Structures and Algorithms
- Computer and Microcomputer Systems
- Digital Systems Design
- Computer Architecture
- Digital Integrated Circuit Design using MOS, bipolar technologies, and computer aided simulation

Languages

- Python, Java, JavaScript, C++, React Native, HTML, PHP, Verilog, and MATLAB

Other

- Microsoft Office and Google Drive
- Critical thinking and problem solving
- Teamwork
- Communication
- Organization

Education

Bachelor of Science: Computer Engineering

Texas A&M University
GPA: 3.173

May 2021
College Station, TX

Work History

Undergraduate Researcher

Embedded Signal Processing Laboratory

May 2019 - Current
College Station, TX

- Utilized IMU and BLE data from a smartwatch to perform online change detection and aid in data collection for activity classifiers.
- Tested many different change detection algorithms in Python utilizing NumPy and Pandas.
- Developed original change detection algorithm based on accelerometer, gyroscope, and Bluetooth smartwatch data.
- Implemented change detection algorithm on Android smartwatch to detect and log when the wearer has changed activities.

App Developer

College Cove

Mar 2018 - Current
College Station, TX

- Co-created an application that revolves around a centralized marketplace for selling student sporting tickets.
- Encountered 750+ users during Fall 2019.
- Programmed using React Native in order to deploy to iOS and Android.
- Collaborated with cross-functional development team members to analyze potential system solutions based on evolving client requirements.

Engineering Peer Mentor

Texas A&M University

Apr 2018 - May 2019
College Station, TX

- Mentored freshman students through their transition from high school to college.
- Assisted the College of Engineering with over 10 events concerning representation and diversity.
- Led activities that developed freshman students' physical, emotional and social growth.