

Bryceson Laing

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EDUCATION

Texas A&M University | Bachelor of Science in Computer Engineering

May 2021

- GPA: 3.3
- Minor: Mathematics

EXPERIENCE

Founder/App Developer

Mar. 2018 - Mar. 2020

College Cove Startup | College Station, TX

Co-created an application that revolves around a centralized marketplace for selling student sporting tickets. Streamlined the student-to-student ticket selling process, and **generated over \$4000 of ticket sales**. Programmed the app using React Native in order to easily deploy to iOS and Android.

Key Accomplishments:

- **Encountered 750+ users** during Fall 2019
- Collaborated with cross-functional development team members to analyze potential system solutions based on evolving client requirements
- Partnered with Texas A&M University's startup incubator, Engineering Inc., in order to procure investors, mentorship, and a collaborative working environment early on

Undergraduate Researcher

May 2019 - May 2020

Embedded Signal Processing Lab | College Station, TX

Utilized IMU and BLE data from a smartwatch to perform online change detection and to aid in data collection for activity classifiers. Used Python, NumPy, and Pandas to test many different change detection algorithms, and then implemented the best performing algorithm in Java on an Android smartwatch.

Key Accomplishments:

- Analyzed and manipulated large sets of data containing over **1 million data points**
- **Developed an original change detection algorithm** based on the accelerometer, gyroscope, and Bluetooth data from an Android smartwatch
- Implemented the change detection algorithm on the smartwatch to detect when the user has changed activities, and log the times they were participating in certain activities, **resulting in the collection of cleaner training data**

Engineering Peer Mentor

Apr. 2018 - May 2019

Texas A&M University | College Station, TX

- **Mentored over 100 freshmen** 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 freshmen students' physical, emotional and social growth

LEADERSHIP

President

Jan. 2019 - May 2021

TAMUSIC Club | College Station, TX

- Restructured club management, which increased attendance, streamlined communication, and improved organization
- Prepared and led a variety of meetings for 20+ members weekly
- Scheduled and organized performances with the city of Bryan, Texas and local businesses

SKILLS

JavaScript, React, Redux, HTML/CSS | Python, Node.js | Git, Agile/SCRUM | iOS, Android | Teamwork, Networking