

ANTHONY VALENTY JR. | "AJ"

COMPUTER SCIENCE || STUDENT ATHLETE

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EXPERIENCE

Software Engineer Intern

Cherrypick Analytics

May 2019 – August 2019 Houston, Texas

- Currently leading the development of an Android app that records and uploads sports footage to company servers given customer log-in information
- Using GSON Java Library to send http post requests to company servers for log-in and video uploading features
- Added image selection rotation and other modifications to company website
- Provided server maintenance in Amazon S3, reloading and reporting individual servers after crashes

Data Science Intern

UnaliWear Inc.

May 2017 – August 2017 Austin, Texas

- Created a machine learning fall detection classifier in Python to determine whether a person fell down
- Implemented a Sequential Model and SVM Model given standard accelerometer data, false positives, and fall data
- Prototyped and built an accelerometer watch with Arduino to gather accelerometer data, reading and writing the sensor and a time-stamp to SD memory

Software Engineer Intern

National Instruments

May 2016 – July 2016 Austin, Texas

- Reviewed and debugged college robotics curriculum in myTetrix: a robotics program that introduces high school students to coding experience

PROJECTS

Rice Tours iOS App

June 2019 - Present

- Currently developing an app that uses augmented reality to showcase Rice's landmarks and buildings
- Using Google Maps API, CoreLocation, and ARKit to provide directions and anchoring of landmarks

EDUCATION

Computer Science, B.S.

Rice University

Graduating May 2022

Division 1 Varsity Tennis Athlete
Minor in Data Science
Certificate in Engineering Leadership

RELEVANT COURSEWORK

- Algorithmic Thinking
- Computational Thinking
- Intro to Data Science, University of Michigan (Coursera)
- Multivariable Calculus
- Intro to Computer Engineering
- Engineering Leadership

TECHNICAL SKILLS

Python Java Discrete Math
iOS/Android App Dev C++
Basic Data Science Basic HTML

INVOLVEMENT

- 🏆 **NCAA Division I Collegiate Athlete – Tennis**
2018-Present
- 📖 **Peer Academic Advisor for Engineering Student Athletes**
2019-Present
- 🏛️ **First Year Representative in Rice Student Government**
2018-2019
- 🏹 **Eagle Scout – Boy Scouts of America**
2016-Present