

Zachary Stence

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Education

Bachelor of Science in Computer Science (Computer Engineering) Aug 2016–Dec 2019
Bachelor of Science in Applied Mathematics San Marcos, TX
Texas State University

- GPA: **3.93**
- Dean's List: All semesters

Skills

Languages: C++, C#, Java, Python, HTML, CSS, TypeScript/JavaScript, \LaTeX
Software: Visual Studio, IntelliJ IDEs, Microsoft Office (Word, Excel, Powerpoint)
Other: Unit testing, Version control (Git), Jenkins CI, Machine learning, Typing (90+ WPM)

Experience

Software Development Intern Jun 2019–Aug 2019
Emerson Automation Solutions Round Rock, TX

- Worked with the DevOps team to enhance developer productivity and support development of Emerson's premier distributed control system software, DeltaV.
- Created several thoroughly unit tested programs using Visual Studio 2019 to automatically collect metrics and information about the DeltaV codebase and publish it to a SQL database.
- Developed a thoroughly unit tested ASP.NET Core website to host information useful to developers.
- Participated in daily stand-ups, sprint plannings, sprint retrospectives, and all other team meetings.
- Presented my work at the end of my internship to all Emerson technology employees.

Research Assistant Nov 2018–May 2019
Texas State University Department of Computer Science San Marcos, TX

- Worked under Dr. Metsis to implement a text classification model to analyze sentiment of tweets.
- Wrote quality Java code that could be quickly adapted corresponding to our sponsor company's requirements.
- Achieved reliable classification of tweets in both English and Italian.

Undergraduate Researcher May 2018–July 2018
Wright State University Dayton, OH

- Worked with a teammate to research the viability of using wearable devices as a means of user authentication.
- Implemented a machine learning model in Python to classify a stream of data from an accelerometer.
- Achieved reliable classification of same-user vs. different-user according to walking pattern.
- Presented my research to other REU students and several professors from Wright State University.

Undergraduate Instructional Assistant 2017–Present
Texas State University Department of Computer Science San Marcos, TX

- Work in various computer labs on campus 17 hours each week to help students use computers and printers, as well as tutoring students in computer science courses.

Honors, Awards, and Activities

- Texas State IEEE-CS, student chapter, Vice President Aug 2018–May 2018
- Phi Kappa Phi Honor Society, member Aug 2018–Present
- Alpha Chi National College Honor Society, member Aug 2018–Present
- Undergraduate Recognition for Academic Excellence Fall 2018
- NSF LSAMP Scholars Program, member Aug 2017–Present
- Texas State Honors College, member Aug 2016–Present
- Texas State Achievement Scholarship Aug 2016–Present
- Texas State Men's Ultimate Disc Sports Club Aug 2016–Present