

Zachary Stence

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Education

Bachelor of Science in Computer Science (Computer Engineering)

Anticipated Graduation: **Dec 2019**

Bachelor of Science in Applied Mathematics

San Marcos, TX

Texas State University

- GPA: **3.93**
- Dean's List: All semesters
- Coursework: Data Structures and Algorithms, Object Oriented Programming, Computer Architecture, Operating Systems, Software Engineering, Parallel Programming

Skills

Languages: Java, C#, C++, Python, PowerShell, HTML, CSS, TypeScript/JavaScript, L^AT_EX

Software: Visual Studio/VS Code, IntelliJ IDEs, Linux, Microsoft Office (Word, Excel, Powerpoint)

Other: Unit testing, Version control (Git), Machine learning, Jenkins CI, Typing (90+ WPM)

Experience

Undergraduate Instructional Assistant

Aug 2017–Present

Texas State University Department of Computer Science

San Marcos, TX

- Assist students using computers and printers in various computer labs on campus 17 hours each week.
- Tutor students in computer science courses occasionally.

Software Development Intern

Jun 2019–Aug 2019

Emerson Automation Solutions

Round Rock, TX

- Worked on the **DevOps** team to enhance developer productivity and support development of Emerson's premier distributed control system software, DeltaV.
- Created several thoroughly unit tested **C#** programs using Visual Studio 2019 to automatically collect metrics and information about the DeltaV codebase and publish them to a **SQL** database.
- Developed a thoroughly unit tested **ASP.NET Core** website to host information from a SQL database.
- 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

Oct 2018–May 2019

Texas State University Department of Computer Science

San Marcos, TX

- Worked under Dr. Vangelis Metsis to implement a text classification model that analyzed sentiment in 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

- Researched the viability of using wearable devices as a means of user authentication with a teammate.
- 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.

Honors, Awards, and Activities

- Texas State IEEE-CS, student chapter, Vice President Aug 2018–May 2019
- 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, Spring 2019
- 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