Zachary Stence

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Education

Bachelor of Science in Computer Science: Computer Engineering San Marcos, TX
Bachelor of Science in Mathematics Aug 2016 - Dec 2019
Texas State University

- GPA: **3.93**
- Dean's List: All semesters
- Coursework
  - Parallel Programming
  - Operating Systems
  - Software Engineering
  - Computer Architecture
  - Object Oriented Programming
  - Data Structures and Algorithms
  - Assembly Language
  - Digital Logic
  - Foundations of CS I and II
  - Discrete Mathematics I and II
  - Calculus III
  - Linear Algebra
  - Differential Equations
  - Intro to Prob. and Stats.
  - Modern Algebra
  - Analysis I

Skills

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

Experience

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

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

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

- Assisted Dr. Vangelis Metsis in his research project sponsored by *[**NAME OF COMPANY**]*. Used the Weka library to implement a text classification machine learning model to analyze sentiment of tweets.
- Achieved reliable classification of tweets in both English and Itlian.

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

- Worked with a teammate to research the viability of using accelerometers on wearable devices to authenticate the user. Achieved reliable classification of same- vs. different-user according to the user's walking pattern.
- Implemented a machine learning model and the necessary data pre-processing in Python to classify a stream of data from an accelerometer.
- Presented my research to several professors from Wright State University.

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

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

Honors, Awards, and Activities

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