

# David “Will” Mize

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## EDUCATION

### Texas A&M University

Dwight College of Engineering, Bachelor of Science in Computer Science

August 2017 - May 2021

GPA: 3.97

## SKILLS & INTERESTS

- **Languages:** C/C++, Java, Python, JavaScript, SQL, Ruby
- **Collaboration:** Git, Jira, Confluence, Agile Software Development
- **Technologies:** React, CesiumJS, Rails, Linux, VMWare, Google Colab, Cloudfront, Route53, S3, Heroku
- **Coursework:** Machine Learning, Artificial Intelligence, Operating Systems, Software Engineering, Database Systems, Data Structures & Algorithms, Discrete Math

## EMPLOYMENT HISTORY

### Texas Instruments

Software Engineering Intern

Dallas, TX

June 2020 - August 2020

- Member of the Power Interface Firmware Team responsible for refactoring, developing, and documenting software for internal tools and consumer products.
- Worked with Python to create a parser for conversions between Word, XML, and Excel to store device register information for power over ethernet products.
- Created a web app GUI interface using HTML, Javascript, and CSS through TI DevTools GUI Composer to read and write to registers on various USB-C devices using I2C protocol.

### Texas A&M Department of Engineering

Computer Science Peer Teacher

College Station, TX

September 2019 - December 2020

- Assisted students during class time and office hours with questions related to computer science coursework. Hosted weekly review sessions to help ensure students learn and understand certain concepts.

### Texas A&M Emergency Medical Services

Assistant Education Coordinator

College Station, TX

June 2020 - May 2021

- Selected as one of eight admin for the Standby Division at Texas A&M EMS. Attend monthly meetings to provide input for standby organizational decisions and ensuring the continued efficiency of all employees.

Emergency Medical Technician-Basic

January 2019 - Present

- After completing a three-month course to be a certified EMT, undertook an additional eight-week training process consisting of new patient care skills, emergency driving tactics, and learning the geographic layout of the area to become certified as an ambulance driver and attendant.

American Heart Association Instructor

December 2019 - Present

- Certified as an AHA instructor to teach five-hour CPR and First Aid certification courses.

## COURSE PROJECTS

### HD Map Verification

Team Leader, UI Development, Testing

- Built an interactive map to update the position of objects on and around the road for self-driving vehicles.

### Trail Rater

Team Leader, Website Development, Prototype Development

- Designed and implemented a device that allows hikers to report current conditions along a trail, which then updated a website for other potential hikers to access.

### SWE Inventory Tracker

Scrum Master, Full-stack Development, Testing

- Created an inventory management system for the Society of Women Engineers Organization.

### Your Family Manager

Scrum Master, Full-stack development

- Developed a website that integrates four family-oriented services (location tracking, calendar, to-do list, and photo albums) into one.

## ACTIVITIES

### Engineering Honors

January 2018 - January 2020

- Accepted into Honors program based on GPA. Attended seminars and networking events with professionals in the Computer Science field.

### Volunteer at St. Joseph Regional Hospital

June 2019 - July 2019

- Brought patients back from the waiting room, obtained their vitals, and took them to their room.
- Answered the nurse call button and took items to patients when requested, and provided patients company.

### BUILD

January 2018 - December 2018

- Joined the student-led organization whose mission is to renovate and convert shipping containers into portable medical clinic. Helped to procure and deliver materials needed for the work site and worked on construction of the containers in small teams.

### Freshmen Reaching Excellence in Engineering

September 2017 - May 2018

- Interviewed and was chosen as a member of year-long organization for new Engineering students. Helped to organize events put on by the club and interacted with professionals in the Engineering field.