

# TROY FULTON

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<https://troy-fulton.github.io/ePortfolio/>

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## EDUCATION

**Texas A&M University**, College Station, TX  
Bachelor of Science in Computer Science  
Minor in Mathematics and Embedded Systems Integration

May 2020  
GPR: 4.0

## WORK EXPERIENCE

**Lockheed Martin Enterprise Business Services**, Grand Prairie, TX  
*Applications Intern*

May 2018 - August 2018

- Supported corporate operations in areas such as Accounting and Production Operations by optimizing daily processes
- Pioneered solutions in SAP HANA Extended Services to be used as web development tools for several database purposes
- Applied knowledge of SQL and RDBMS to JavaScript, as well as web scraping in Python and beginner forecasting in R

**Engineering Academic and Student Affairs at Texas A&M University**, College Station, TX  
*ENGR 111 Peer Teacher (2017) and Peer Teaching Supervisor (2018)*

August 2017 - Present

- Foster engineering mindsets and mentored freshman-level engineers to think algorithmically 10-20 hours per week
- Continue to motivate my students and peers as supervisor by leading weekly organizational meetings as of Spring 2018

## RESEARCH

**Aggie Challenge**, Texas A&M University  
*World Design Team Member- SpaceCRAFT, A Virtual Reality 'Sandbox'*

January 2017 - May 2017

- Responsible for designing systems for Virtual Reality Platform for use in global cooperation and presenting to sponsors
- Experiment in UNREAL Engine, using C++ in Visual Studios when necessary and communicate findings to team members

## RELEVANT COURSEWORK

**Fall 2018:** Programming Studio, Computer Systems, Embedded Programming in C, and Digital Design

**Spring 2019:** Product Development (Embedded Systems), Analysis of Algorithms, Cryptography, Human Computer Interaction

## ACTIVITIES

**Texas A&M University Wind Symphony**, Texas A&M University  
*Trumpet Player and Soloist*

August 2016 – Present

- Rehearse and perform with the highest-ranking wind band at Texas A&M University for 5 hours a week

**Honors Housing Community**, Texas A&M University Honors Programs  
*Honors Family Member*

August 2016 – May 2017

- Collaboratively discuss professionalism and academics with group of 10 University Honors freshmen weekly

## SKILLS

- Proficient in Matlab, C++, Haskell, C, Python, and Microsoft Visual Studio Code and Office Suite, as well as Multisim
- Moderately proficient writing SQL, programming in R, Matlab, and Java, and using Microsoft Visual Studio
- Moderate knowledge of UNREAL Engine, Arduino, LabVIEW, Vivado, and SolidWorks (self-taught)

## HONORS

**Dean's Excellence Award Finalist**, Phi Kappa Phi- Texas A&M University Chapter

October 2018

**IAP Scholarship**, Texas A&M University Industrial Affiliates Program

June 2018

**Trumpet Soloist and Performer**, Texas A&M University Wind Symphony

August 2016 – Present

## SERVICE

**The Big Event**, College Station, TX  
*Volunteer (2017) and Leader (2018)*

March 2017 and 2018

- Participated in Texas A&M University's community-wide public service project for the Bryan-College Station Area
- Coordinated a group of friends in the Wind Symphony in providing additional service in March 2018