

TROY FULTON

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

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EDUCATION

Texas A&M University, College Station, TX May 2020
Bachelor of Science in Computer Science
GPR: 4.0
Minor in Mathematics and Embedded Systems Integration

WORK EXPERIENCE

Lockheed Martin Enterprise Business Services, Grand Prairie, TX May 2018 - August 2018
Applications Intern
• 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 August 2017 - Present
ENGR 111 Peer Teacher (2017) and Peer Teaching Supervisor (2018)
• 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 January 2017 - May 2017
World Design Team Member- SpaceCRAFT, A Virtual Reality ‘Sandbox’
• 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 August 2016 – Present
Trumpet Player and Soloist
• 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 August 2016 – May 2017
Honors Family Member
• 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 March 2017 and 2018
Volunteer (2017) and Leader (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