Laura K. Smith

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Education

Texas A&M University – 3.93 GPA
College Station, TX

- Estimated Graduation Date: May 2022
- Major: Mechanical Engineering
- Completed Hours: 102

Internship Experience

Industrial Assessment Center – **Student Intern**
Texas A&M University, College Station, TX
January 2021 – Present, Part-time

- visited industrial centers and identified opportunities for them to reduce energy usage
- calculated energy and monetary savings of assessment recommendations

Naval Research Laboratory – **Engineering Intern**
Naval Research Laboratory, Stennis, MS
May 2020 – August 2020 & May 2019 – August 2019, Full-time

- upgraded video processing to improve the results of bathymetry and river flow models
- built a tool to distinguish river from land in video footage with 99.49% accuracy (2020)
- created a machine learning algorithm to retrieve good video footage with ~80% accuracy (2019)

Other Employment

Freshman Engineering Peer Teacher
Texas A&M University, College Station, TX
August 2019 – November 2020, Part-Time

- hosted office hours and assisted with in-class activities
- graded homework and labs

Extracurricular Activities

Autonomous Underwater Vehicle Project Team
September 2018 – Present

- competed in annual Robosub competition
- designed, prototyped, and fabricated vehicle components using CAD

Brazilian Jiu Jitsu Club Officer
January 2020 – Present

- participated in meetings about key club operations
- managed a "cohort" to facilitate contact tracing and safely allow the club to practice

Publications

Smith, L.K. & Michael, C.J.; MIST: an interactive machine learning application for video segmentation. U.S. Naval Research Laboratory Memorandum Report. NRL/7340/MR--2021/1. 2021. apps.dtic.mil/sti/pdfs/AD1123739.pdf

Honors and Awards

Lou and C.C. Burton '42 Scholarship, Texas A&M Department of Mechanical Engineering, 2020
Anders Tjellström Scholarship Recipient, Cochlear, 2019

Technical Skills

Machine Learning
Python & MATLAB
CAD

Soft Skills

Independent Learning
Communication
Creativity

References available upon request