ZELING LI

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EDUCATION

Texas A&M University – *B.S Computer Science + B.S. Aerospace Engineering*

2018 – EXPECTED GRADUATION MAY 2023 *GPA: 3.4*

- Dean's Honor Roll (Fall 2018)
- Texas A&M Fencing Team (ongoing)

Sir Winston Churchill High School – *International Baccalaureate Diploma*

2015 – 2018

- Various activities and sports clubs including rugby, cross country, and physics club
- International Baccalaureate Diploma with a score of 31

CERTIFICATIONS

Google TensorFlow Developer Certificate

JANUARY 2021

- Passed Google's TensorFlow Developer Certificate exam on my first try on January 8th, 2021

PROJECTS

My Personal Website - *Developer*

- https://github.tamu.edu/zli2018/MyPersonalWebsitesite

SOAR Engineering Design Team - *Programming Team Lead*

- Led subteam in efforts to develop automated control laws for experimental thrust vectoring UAV
- Mapped control laws onto custom Pixhawk PX4 firmware

U-Challenge Engineering Project – *Finalist*

- A competition through Texas A&M to create engineering solutions to improve the efficiency and sustainability of residence halls
- Utilized utility data, schematics, and walkthrough observations to develop cost-effective solutions to reduce cost and resource waste

SKILLS

SOFTWARE:

- Visual Studio/Visual Studio Code
- Microsoft Office
- MATLAB
- Multisim
- Solidworks
- Solidworks

LANG UAGES:

- Python
- C++
- JavaScript
- HTML/CSS
- Haskell
- Java

OTHER SKILLS:

- Machine learning frameworks, such as TensorFlow and PyTorch
- Git
- Dynamics & Controls
- Python data science libraries, such as NumPy, Sympy, SciPy, pandas, etc.
- Experience coding on a team
- Can do remote work
- Licensed Glider Pilot

TECHNICAL CLASSES

*C UR RENT SC HO O L YEA R

CS: Intro to Computer Systems*, Programming Studio*, Intro to Program Design and Concepts, Discrete Structures for Computing, Data Structures and Algorithms, Computer Organization, Programming Languages

AERO: Aerospace Structural Analysis II*, Aerospace Structural Analysis I, Intro to Flight, Aerospace Engineering Mechanics, Intro to Aerothermodynamics, Intro to Aerospace Mechanics of Materials, Intro to Aerospace Computation, Theoretical Aerodynamics, Aerospace Dynamics, High Speed Aerodynamics

Physics: Newtonian Mechanics, Electricity & Magnetism

Math: Principles of Statistics*, Calculus I-III, Differential Equations, Linear Algebra

Lab Classes: Experimental Physics & Engineering Lab I-II, Aerospace Engineering Lab