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Taber J. Fisher

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12202 S. Greenwood St.
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Education

Virginia Tech, Honors College, Blacksburg, Virginia GPA: 3.59
B.S. Computer Science, December 2019

Presidential Global Scholars (Study Abroad), Spring 2017, Riva San Vitale, Switzerland
Related Coursework: Data Structures, Artificial Intelligence, Data Science, Bioinformatics, Computer Systems, Differential Equations, Multivariable Calculus, Computational Neuroscience, Computer Security

Related Experience

Software Development Intern*,** Lockheed Martin Space Systems, ***Interim Top-Secret Clearance
Littleton, Colorado (May 2018 – Present)

- Supporting the Synthetic Aperture Radar Automatic Target Recognition (SAR ATR) team with integrations between F35 software and neural network software
- Building a Generative Adversarial Network (GAN) that creates SAR images to enlarge small datasets
- Created vehicle recognition software using TensorFlow for satellite and aerial imagery
- Designed a summarization program that ingests articles and generates a summary for corporate scouting
- Authored a white paper that proposed using natural language processing to forecast emerging technology trends in academia to make the internal company research selection process data driven

Lead Software Architect, Rocketry@VT
Blacksburg, Virginia (September 2016 – September 2019)

- Developing a real time aerial target tracking system in Pytorch to identify objects during flight
- Designed active drag system software so that the rocket would hit an exact target altitude

Applications & Data Systems Intern, AMC Theatres
Leawood, Kansas (May 2016 –August 2016, May 2017 – August 2017)

- Created and presented a movie recommendation engine in Python to upper level management that is undergoing testing for worldwide implementation
- Built an app in C# that streamlined the process for adding new members to the AMC Stubs program

Research Experience & Projects

Undergraduate Researcher, Assistive Robotics Lab
Blacksburg, Virginia, (August 2018- Present)

- Applying different machine learning algorithms, such as recurrent neural networks, to IMU data for predictive gait analysis

Undergraduate Researcher, Neural Dynamics Lab
Blacksburg, Virginia, (April 2018- May 2019)

- Publication: *A comparative study of motor imagery based BCI classifiers on EEG and iEEG Data* in GlobalSIP 2019 proceedings
    - Researched results of different deep learning algorithms on Brain Computer Interfaces (BCI)

Politigague, Data Science Capstone Project
Blacksburg, Virginia, (January 2019 – May 2019)

- Created a Chrome extension to detect political bias based on the organization that released the article and linguistic cues inside the article
- Won two awards at Virginia Tech Undergraduate Computer Science Symposium

Extracurricular Activities

Virginia Tech ACM-ICPC Programming Team August 2016 – September 2018
Honors Residential College Apartment Fellow August 2016 – May 2018

Skills

Python	Java	C#	Deep Learning	Pytorch	SQL
MATLAB	JavaScript	TensorFlow	Machine Learning	Linux	MongoDB