Cameron Laedtke

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EDUCATION

Bachelor of Physics   May 2021
College of Science and Engineering, University of Minnesota - Twin Cities   Minneapolis, MN
GPA: 3.4
Coursework includes
- Programming: Algorithms and Data Structures, Data Mining, Computer Vision, Computational Physics
- Math: Calculus I, II, III, and IV, Mathematical Methods for Physicists, Number Theory and Cryptography
- Physics: Quantum Mechanics, Electricity and Magnetism, Statistical and Thermal Physics

Study Abroad: IES Abroad EU Summer Program   May 2019- August 2019
- Studied conflict, development, and security dynamics in Eastern Europe   Freiburg, Germany

SKILLS

Programming/Software: Python, Matlab, Java, R, SQL. TensorFlow, Scikit-learn, Dash, Docker, git, AWS, GCP
Foreign Language Skills: Fluent in French

WORK EXPERIENCE

Data Science and Machine Learning Intern
Seagate Technology, Bloomington, MN   May 2020 - May 2021
- Worked with engineers to automate the process of diagnosing failures in a machine that bonds together pieces of semiconductor material
- Created a general-purpose machine learning dashboard (active learning), allowing for subject matter experts to create new labeled image segmentation datasets in an automated fashion that leverages supervised and unsupervised methods to eliminate tedious work
- Conducted research and experimentation on different specialized AI training hardware to optimize training speed and performance.

Data Science Summer Intern
ThreeBridge Solutions, Eden Prairie, MN   June 2017 - August 2018
- Automated file transfer processes as well as the generation of reports, charts, and data sheets to eliminate tedious work
- Created programs to acquire and wrangle data from different sources on an ad hoc basis to assist in development of reports for clients
- Developed an interactive dashboard to visualize client data

ACTIVITIES

Member, UMN Small Satellite Project   September 2019 - March 2021
- Collaborate with the detector design sub-team to design, assemble, test, troubleshoot, and characterize a scintillator detector in order to study energetic and eruptive events on the solar surface