NOLAN FEENY

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EDUCATION

UNIVERSITY OF MICHIGAN — **Ann Arbor, MI**

College of Engineering

B.S.E. in Industrial & Operations Engineering, April 2020

- Cumulative GPA: 3.80/4.00
- International Minor for Engineers
- Admitted to the Engineering Global Leadership Honors Program (EGL)
- Awards: University Honors, Dean's List (Fall 2016 - present), Regents Merit Scholarship
- Relevant coursework: Operations Modeling/Simulation, Data Processing, Intro to Markov Processes

EXPERIENCE

MECC CONSULTING GROUP UNIVERSITY OF MICHIGAN — **Ann Arbor, MI**

2018-Present — **Consultant**

- Organized big data (600,000+ rows) from the Detroit Lions ticket office based on multiple independent variables and classifications, using pivot tables and functions in Excel
- Predicted trends in data by importing Excel sheets to Matlab, using polyfit functions to create and analyze graphs
- Implemented the first interactive ticket pricing visualization tool in the NFL via Tableau
- Delivered final tools and recommendations to the Lions business team at Ford Field

2017 — **MICHIGAN STATE UNIVERSITY** — **East Lansing, MI**

Computer Science Research Intern

- Developed a "robust, versatile, and simple" image annotation and location tracking tool in 8 weeks that my professor currently uses with both research and teaching in various subjects
- Integrated strengths of Python, JavaScript, and HTML on Jupyter Notebooks to optimize the significance and accessibility of my product
- Presented results through departmental deliverables and a poster conference at the Mid-Michigan Symposium for Undergraduate Research (380 students, 405 faculty)

2017 — **SPARK ELECTRIC RACING TEAM** — **Ann Arbor, MI**

Business Team Member

- Acquired funding and marketed towards firms, sponsors, and alumni in order to build a world-record breaking electric motorcycle
- Generated predictions of necessary budget and optimized the use of available funds, dispersed over and presented to every branch of the project team

2016-2017 — **BLUELAB WOVEN WIND PROJECT TEAM** — **Ann Arbor, MI**

Design Team Member

- Researched, designed, and 3D-printed optimal blade structures using Siemens NX for a model wind turbine
- Educated local elementary school children about the importance of sustainability, varieties of implementation, and the corresponding cost/benefit analysis

2015-2016 — **MICHIGAN STATE UNIVERSITY** — **East Lansing, MI**

Mechanical Engineering Research Assistant

- Designed and ran tests measuring metronome synchrony, then created data analysis programs in MATLAB displaying various graphs comparing data sets
- Built and implemented a 3D-printed platform using SolidWorks, then executed the self-designed experiments to model development of synchronous watches

ADDITIONAL

- Languages: English (native), German (conversant)
- Computer: Matlab, C++, Python, Jupyter Notebooks, JavaScript, HTML, Git
- Eagle Scout BSA Troop 64 in Okemos, MI
- 1st chair cellist and section leader in the Campus Symphony Orchestra at U of M
- Concert pianist, placed within the top 5 in various state-wide competitions
- Music producer, hockey player, sustainability and environmental enthusiast