Justin B. Helfman

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OBJECTIVE

Ambitious computer engineering student pursuing a certificate in entrepreneurship & innovation, seeking experiences to develop skills in leadership and software engineering topics

EDUCATION

Purdue University, West Lafayette, Indiana   *August 2018 - May 2022*
    BS in Computer Engineering   *GPA: 3.12/4.0*
    Certificate in Entrepreneurship & Innovation

WORK EXPERIENCE

Eaton Corporation, Moon Township, Pennsylvania — *Co-op Program*   *January - April 2021*
    Plymouth, Minnesota/Remote — *Software Engineering Intern*   *June - August 2020*
- Worked in an agile environment, assisting the team in the migration to new CI/CD servers
- Executed a plan to automatically test software updates with the existing product through virtual machines

Gojo Industries, Akron, Ohio — *Summer Intern*   *May - July 2019*
- Assisted in running and analyzing customer panel testing, culminating in an independent panel analysis
    Akron, Ohio — *Summer Intern*   *June - August 2018*
- Experimented in a laboratory setting, running a data-driven analysis of potential new products
    Akron, Ohio — *Summer Intern*   *June - August 2017*
- Observed customer outreach practices with product engineers and assisted the quality assurance team

TECHNICAL SKILLS & RELEVANT COURSEWORK

- **Languages:** C (Advanced), Python (Advanced), C++ (Intermediate), and MATLAB(Intermediate)
- **Previous relevant courses:** Data Structures, Python for Data Science, and Advanced C Programming
- **Fall 2020:** Introduction to Computer Communication Networks, Intro to Deep Learning (Graduate Level), and Artificial Intelligence (Graduate Level)
- **Spring 2021:** Microprocessor Systems and Interfacing

DESIGN & ANALYSIS PROJECTS

Introduction to Deep Learning Projects   *August - December 2020*
- Working with Convolutional LSTM Neural Networks, Autoencoders, Generative Adversarial Networks, Adversarial Machine Learning, and Neural Networks with Memory

Artificial Intelligence Course Project   *August - December 2020*
- Investigated new infectious disease modeling methods, culminating in an ICML-style paper and presentation

Automated Virtual Machine Testing   *June - August 2020*
- Implemented virtual machines to automate testing updates and changes, saving roughly 2000 hours/year

Covid-19 Socio-Political Analysis   *May-June 2020*
- Analyzed Covid-19 data and compared global response by country to various political metrics

Purell Advanced Triangle Test, GOJO Industries   *May - July 2019*
- Researched customer responses to product prototypes and reported next steps using the data from responses

LEADERSHIP

Recruitment Chair, Executive Board Member, Alpha Epsilon Pi   *January 2019 - November 2021*
- Led the recruitment team in search of appropriate candidates, increasing membership by 24%, and new member class size by 35%
- Developed socially distant recruitment events during the COVID-19 pandemic increasing membership by 16%