Justin B. Helfman

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SUMMARY

Ambitious computer engineer with 3+ years of experience in software engineering and artificial intelligence. Vast exposure in project implementation, including preserving 2000 hours per year through automated scripts.

EDUCATION

Purdue University, *West Lafayette, Indiana*   *August 2018 - May 2022*

B.S. Computer Engineering   *GPA: 3.12/4.0*

Entrepreneurship & Innovation Certificate

Relevant Coursework: Microprocessor Systems and Interfacing *(Current)* ● Artificial Intelligence *(Graduate Level)* ● Introduction to Deep Learning *(Graduate Level)* ● Introduction to Computer Communication Networks ● Data Structures ● Python for Data Science ● Advanced C Programming

PROJECTS & TECHNOLOGIES

SARS-CoV-2 (COVID-19) Analyses   *May-December 2020*

- *(Personal Work):* Administered predictive mortality and infection models and observed trends between these forecasts and global ratings by country of human development, free press, and mean years of schooling
- *(Coursework):* Investigated disease modeling methods and presented an ICML-style paper and findings

Computer Networking Design Projects   *August - December 2020*

- Developed programs to emulate HTTP clients, servers, fork operations, and caesar cipher encryption
- Generated a routing protocol program using the User Datagram Protocol (UDP)

Deep Learning (Neural Networks) Design Projects   *August - December 2020*

- Developed Neural Turing Machines, Convolutional LSTM, and Generative Adversarial Networks

New York City (NYC) Bike Traffic Probe   *April-May 2020*

- Modeled biker congestion with respect to weather and bridges used to estimate citations distributed

Languages: C *(3 years)* ● Python *(3 years)* ● MATLAB *(3 years)* ● C++ *(0-1 year)* ● PowerShell *(1 year)*

Other: Unix *(3 years)* ● Git *(3 years)* ● Vim *(3 years)* ● VisualStudio & Eclipse *(1 year)* ● Tensorflow & PyTorch *(0-1 year)*

WORK & LEADERSHIP EXPERIENCE

Eaton Corporation, *Moon Township, Pennsylvania — Co-op Program*   *January - April 2021*

Eaton Corporation, *Plymouth, Minnesota/Remote — Software Engineering Intern*   *June - August 2020*

- Partnered in a scrum-based team, executing multiple sprint periods
- Supported migration of automated build and deployment servers
- Organized and delivered a continuous integration/continuous development tool using virtual machines
- Presented project final summary with an estimated 2000 hours per year per team conserved

Recruitment Chair, Executive Board Member, *Alpha Epsilon Pi*   *January 2019 - November 2021*

- Orchestrated the recruitment team, enrolling a new member class, exceeding previous records by 35%
- Designed socially distant events during the COVID-19 pandemic increasing membership by 16%

Gojo Industries, *Akron, Ohio — Summer Intern*   *May - July 2019*

- Collaborated with internal studies and conducted panel testing for prototyped products
- Managed a discriminative survey and evaluated customer responses versus qualitative results

Gojo Industries, *Akron, Ohio — Summer Intern*   *June - August 2018*

- Integrated into a research setting, studying product paradigms and their capabilities
- Documented final findings, and advised further actions to consider before product launch

Gojo Industries, *Akron, Ohio — Summer Intern*   *June - August 2017*

- Partnered with customer outreach and quality assurance teams, overseeing product manufacturing

- Monitored the procedures of a quality assurance check on recently recalled products