

Justin B. Helfman

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OBJECTIVE

An ambitious student seeking to apply rigorous education and experience in the fields of software engineering and business innovation for an internship position in the summer of 2021

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

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)

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 related findings

Languages: C (3 years) ● Python (3 years) ● MATLAB (3 years) ● C++ (0-1 year) ● PowerShell (1 year)
Other: Unix (3 years) ● Vim (3 years) ● Git (3 years) ● Visual Studio & Eclipse (1 year) ● VMware vSphere (1 year)

WORK & LEADERSHIP EXPERIENCE

Eaton Corporation, Moon Township, Pennsylvania – Co-op Program **January - April 2021**
Plymouth, Minnesota/Remote – Software Engineering Intern **June - August 2020**

- Partnered in a scrum-based team, executing multiple sprint periods
- 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

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

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