

# Justin B. Helfman

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## OBJECTIVE

Ambitious computer engineering student pursuing a certificate in entrepreneurship & innovation, seeking a position in software engineering for the summer of 2021

## EDUCATION

**Purdue University**, West Lafayette, Indiana *August 2018 - May 2022*  
BS in Computer Engineering *GPA: 3.13/4.0*  
Certificate in Entrepreneurship & Innovation

## WORK EXPERIENCE

**Eaton Corporation**, Southfield, Michigan — *Embedded Software Engineering Intern* *(to begin) 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%