

# Eric Cheng

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Seeking summer 2021 internships for product management, trading, and software & systems engineering roles

## EDUCATION

### Carnegie Mellon University, Tepper School of Business, B.S. in Business Administration

Pittsburgh, PA  
grad. May 2022

- Pursuing additional major in computer science
- Currently researching dynamic programming on simulations of fiscal risk management strategies

## EMPLOYMENT

### Amazon, Software Development Engineer Intern

Seattle, WA  
Jul 2020 - Sep 2020

### Fastplate, campus food delivery startup, co-founder (fastplate.app)

Pittsburgh, PA  
Nov 2018 - present

- Designed launch website and backend order pipeline in Node.js and Flask
- Earned \$5,000 in university Amazon Web Services grant funding
- Developed routing algorithms and caching mechanisms which enabled <15-minute deliveries

### DeltaTrainer, Product Engineering Intern

San Francisco, CA  
May - Aug 2019

- Built live key performance indicator dashboard with MongoDB, Express, and AWS Elastic Cloud 2
- Implemented and designed instant messaging dashboard with Chatkit and React
- Redesigned company logo and brand identity, improving legibility and brand appeal

### Aedit, UI/UX Engineering Intern

New York, NY  
Jul - Aug 2018

- Designed wireframes, prototypes, and high-fidelity screens in Sketch for company launch
- Conducted user experience interviews for website navigation overhaul and redesign

## EXPERIENCE & PROJECTS

### stopthespread.info, interactive COVID-19 public health information website

Mar 2020

- Worked with volunteer medical workers from Cambridge University and developers to create American site during early phase of US lockdown
- Developed and designed live SMS notification system with Gatsby and Twilio

### Jalopy, a self-driving truck

Pittsburgh, PA  
Apr 2019

- Built a self-driving system implemented on the video game Euro Truck Simulator 2
- Uses OpenCV/Python to detect lanes, optimize images, and navigate roads

### cmueats.com, dining hall information at Carnegie Mellon University

Pittsburgh, PA  
Oct 2018

- Refactored and redesigned real-time dining hall hours website internal university API and React
- Over 3,000 recurring monthly users, approximately 25% of Carnegie Mellon student body

### Carnegie Mellon University Business Technology Group, President

Pittsburgh, PA  
Oct 2018 - present

- Organized the inaugural Big Tech Gathering, a career fair and technology conference for students
- Built new organization website in React with automatic deployment, reducing annual server costs by 90% and improving scalability for future developers

## AWARDS

'Best Entrepreneurial Hack' at TartanHacks 2019, McGinnis Venture Competition 2019 Finalist, Carnegie Mellon Venture Challenge 2019 Finalist, Hack-a-Startup 2018 Finalist, National Merit Finalist (New Jersey), 2nd place internationally - MIT Zero Robotics (hosted by NASA, ESEA, DARPA), AP Scholar with Distinction

## SKILLS & MISC

### Languages

English (fluent), Mandarin (fluent), German (basic)

### Programming Languages

C, Dart (Flutter), JavaScript (React), Python, R, Shell script

### General Technologies

Adobe CC, Ansible, Android, AWS, Azure, CSS, Docker, Git, HTML, iOS, LaTeX, Linux, MongoDB

### Interests

Derivatives trading, machine learning theory, Linux, open source software, F1, rowing