

Eric Cheng

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Seeking internships for the summer of 2020 in quantitative trading & software engineering

EDUCATION

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

Pittsburgh, PA
grad. May 2022

- Pursuing computational finance and computer science
- Currently researching dynamic programming on simulations of fiscal risk management strategies
- Presented TEDxCMU talk "[Design Around Us](#)" on behavioral economics and technology

The Lawrenceville School, High Honors, Vice President of Academics, Model UN President

grad. May 2018

EMPLOYMENT

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

Pittsburgh, PA
Nov 2018 - present

- Designed launch website in Node.js, Flask, and AWS, interfacing with Stripe for payment
- Assembled partnerships with restaurants, universities, and payment-processing companies
- Reached 350+ users on initial opening weekend, routing system enabled <15-minute delivery time

DeltaTrainer, Product Engineering Intern

San Francisco, CA
May - Aug 2019
(remote)

- Designed and built live KPI visualization dashboard, interfacing with mongoDB/AWS
- Implemented and designed instant messaging dashboard with Chatkit and React
- Created automated metric storage architecture with Express, reading +5,000 JSON entries daily

Aedit, UI/UX Engineering Intern

New York, NY
July - Aug 2018

- Designed desktop/mobile wireframes, prototypes, and high-fidelity screens of company about page, navigation, and advertisements in Sketch
- Conducted user experience interviews for complete website navigation overhaul and redesign

EXPERIENCE & PROJECTS

[Jalopy](#), a Self-Driving Truck

Pittsburgh, PA
April 2019

- Built and designed an end-to-end lane-finding and self-driving system, implemented on the video game Euro Truck Simulator 2 as a semester-end project in my introductory computer science course
- Uses OpenCV to detect lanes, optimize images, and navigate highways every 250 milliseconds

cmueats.com, dining hall information at Carnegie Mellon University

Pittsburgh, PA
October 2018

- Developed website that displays real-time dining hall information using university API and React
- Over 3,000 recurring monthly active users (approximately 25% of entire university population)

[Carnegie Mellon University Business Technology Group](#), Head of Product

Pittsburgh, PA
Oct 2018 - present

- Implemented new organization site in React and set up automatic deployment process with Azure
- Led teams of 20+ undergraduate and graduate students on machine learning research projects
- Increased organization membership by 40% through online engagement and technical lectures

AWARDS

'[Best Entrepreneurial Hack](#)' at TartanHacks 2019 (sponsored by Google, Microsoft, Facebook, CapitalOne), 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

Programming Languages

Python (intermediate), Javascript (intermediate), C (familiar)

Languages

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

ML/Data Technologies

numpy, pandas, scikit-learn, ggplot2

General Technologies

Git, HTML, CSS, React.js, R, Unix, AWS, MongoDB, Azure, Sketch, Adobe CC

Interests

Quantitative trading, machine learning theory, Formula 1, rowing