

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

EMPLOYMENT

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

Pittsburgh, PA

- Designed launch website and authentication backend in Node.js, Flask, and Python, earning \$5,000 in university Amazon Web Services grants
- Reached 350+ users on initial opening weekend, routing algorithms enabled <15-minute deliveries
- Used kanban boards and agile methodology to accelerate development

Nov 2018 - present

DeltaTrainer, Product Engineering Intern

San Francisco, CA

- Built live key performance indicator dashboard with mongoDB, Express, and AWS Elastic Cloud 2, reducing time spent inspecting metrics by 90%
- Implemented and designed instant messaging dashboard with Chatkit and React
- Redesigned company logo and brand identity, improving legibility and brand appeal

May - Aug 2019
(remote)

Aedit, UI/UX Engineering Intern

New York, NY

- Designed wireframes, prototypes, and high-fidelity screens in Sketch for company launch
- Conducted 15 user experience interviews for complete website navigation overhaul and redesign

July - Aug 2018

EXPERIENCE & PROJECTS

Jalopy, a Self-Driving Truck

Pittsburgh, PA

- Designed an intelligent self-driving system implemented on the video game Euro Truck Simulator 2
- Uses OpenCV/Python to detect lanes, optimize images, and navigate roads in under 0.025 seconds

April 2019

cmueats.com, dining hall information at Carnegie Mellon University

Pittsburgh, PA

- 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)

October 2018

Carnegie Mellon University Business Technology Group, President

Pittsburgh, PA

- Organized the inaugural Big Tech Gathering, a career fair and technology conference for students
- Built new organization websites in React with automatic deployment, reducing annual server costs by 90% and improving scalability for future developers
- Led teams of 20+ undergraduate and graduate students on machine learning research projects, increasing organization members by 40%
- Championed new budget proposal resulting in 400% increase (\$7,000) for organization activities

Oct 2018 - present

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

Languages

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

Programming Languages

C, Python, JavaScript (React), Shell script

General Technologies

Git, R, Unix/Linux, AWS, Ansible, MongoDB, Azure, Sketch, Adobe CC, HTML, CSS

Interests

Derivatives trading, machine learning theory, Linux, open source software, Formula 1, rowing