

Eric Zheng

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Education

Carnegie Mellon University

B.S. IN COMPUTER SCIENCE (GPA: 4.0)

Pittsburgh, PA

Expected May 2023

Selected past and current coursework: distributed systems (15-440), natural language processing (11-411), deep learning (11-485), graduate theory (15-751)

Experience

Jane Street Capital

SOFTWARE ENGINEER INTERN

New York, NY

May 2022 – August 2022

- Improved monitoring pipeline for risk checking system to use anomaly detection based on historical system data
- Wrote tool to index transaction logs handling ~20k messages per second, dramatically improving query times

Nexedi

INTERN

Lille, France

June 2021 – August 2021

- Packaged Chromium for SlapOS, an open-source cloud orchestration platform
- Improved an internal monitoring stack, which caught a port assignment error in a widely-used tutorial

Carnegie Mellon University

TEACHING ASSISTANT

Pittsburgh, PA

August 2020 – May 2021

- TA for linear algebra (21-241) and functional programming (15-150)
- Responsibilities included leading weekly recitations, grading, holding office hours, and developing new problems

Manipulation Laboratory, CMU Robotics Institute

UNDERGRADUATE RESEARCHER

Pittsburgh, PA

May 2020 – August 2020

- Designed robotic in-hand manipulation motions for an industrial assembly task
- Learned and applied grasp stability metrics to improve robot robustness

ZODAJ Foundation

INTERN (PART-TIME)

Pittsburgh, PA

May 2020 – August 2020

- Wrote web-based game with React to teach students the periodic table
- Used Twilio and MongoDB to create an educational textbot

MITRE Quantum Information Science Group

INTERN (PART-TIME)

Princeton, NJ

February 2019 – June 2019

- Studied linear algebra and quantum mechanics
- Designed and conducted experiments to measure noise on superconducting quantum computers using Qiskit

Projects

AutoTOS

PENNAAPPS FALL 2020

Virtual

September 2020

- Built a web application for automatically parsing and explaining terms of service
- Awarded Best Use of Google Cloud

Speak into Space

PENNAAPPS FALL 2019

Philadelphia, PA

September 2019

- Worked on backend and frontend for a lip-reading web application
- Interfaced Flask application with Tensorflow model
- Awarded Top 10 Hack

Skills and Interests

Languages OCaml, C, Haskell, Python, Standard ML, HTML/CSS/Javascript, T_EX

Other Interests Technical blog (ericzheng.org/thoughts) updated monthly, road cycling