

Paul Gossman

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Education

University of Michigan
BS Computer Science

Ann Arbor, MI
Expected: December 2020

Experience

Jane Street Capital
Quantitative Trader Intern (incoming)

New York, NY
May 2020 – August 2020

Jane Street Capital
Software Engineer Intern

New York, NY
September 2019 – December 2019

- Collaborated with traders and developers to create software tooling for options desk.
- Created new tool for in-house version control and code review system for improving developer workflow.

Facebook
Software Engineer Intern

New York, NY
May 2019 – August 2019

- Wrote and deployed a high-performance C++ library for tracking per-user requests on the critical path of a public service, preventing malicious scraping of sensitive data.
- Created library for per-user queuing of database requests to prevent abusive users from crashing hosts.
- Optimized C++ service which receives hundreds of millions of requests per day, reducing computation by 1% per request.

University of Michigan
Teaching Assistant - EECS 281 (Data Structures & Algorithms)

Ann Arbor, MI
September 2018 – April 2019

- Independently led weekly discussion sections of over 40 students.
- Mentored and assisted students in weekly office hours.
- Wrote exam material to accurately gauge student understanding.

Facebook
Production Engineer Intern

Menlo Park, CA
May 2018 – August 2018

- Created service for highly-scalable disaster recovery of networks using Python and Apache Thrift.
 - Utilized asynchronous programming to significantly increase scalability and speed of recovery.
- Implemented testing service which continuously fails network devices, calls the above disaster recovery service and verifies the devices were recovered successfully.
- Wrote unit and integration tests which fully covered all code.

CROMA Lab
Research Assistant

Ann Arbor, MI
September 2017 – April 2018

- Worked with team to research how to utilize crowdsourcing to augment a robot's AI, enabling it to interact with unfamiliar objects for which it has no training data.
- Created web application for crowdworkers to annotate 3D objects using Meteor JavaScript framework.

Eastern Michigan University
Software Developer and Support Specialist

Ypsilanti, MI
Sept 2016 – Aug 2017

- Led the design and development of an app for managing insurance claims, eliminating a slow paper process and increasing productivity. Used Laravel MVC framework, MySQL, TDD, and object-oriented design principles.

Technical Skills

- C++, Python, OCaml, Linux, testing & TDD, async programming, Git & Mercurial