Paul Gossman

📞 (313) 720 1892 • ✉ contact@paulgossman.com • **in** paul-gossman

Education

University of Michigan   **Ann Arbor, MI**
BS Computer Science   *Expected: December 2020*

Experience

Jane Street Capital   **New York, NY**
Software Engineer Intern   *September 2019 – December 2019*

Facebook   **New York, NY**
Software Engineer Intern   *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   **Ann Arbor, MI**
Teaching Assistant - EECS 281 (Data Structures & Algorithms)   *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   **Menlo Park, CA**
Production Engineer Intern   *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   **Ann Arbor, MI**
Research Assistant   *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   **Ypsilanti, MI**
Software Developer and Support Specialist   *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, TCP/IP, Git & Mercurial