

Michael Man

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EDUCATION

Princeton University

Bachelor of Science in Engineering (B.S.E.), Computer Science

Expected 2021

Princeton, NJ

- Relevant coursework: *Algorithms and Data Structures, Programming Systems, Advanced Programming Techniques, Distributed Systems, Information Security, Discrete Mathematics, Game Theory, Operating Systems, Data Science*
- GPA: 3.62

EXPERIENCE

Jane Street Capital

Incoming Software Engineering Intern

Starting June 2020

New York, NY

Facebook

Incoming Software Engineering Intern

Starting January 2020

New York, NY

Airbnb

Software Engineering Intern, API Infrastructure

June - September 2019

San Francisco, CA

- Developed an observability dashboard that enabled request metric breakdowns over high-cardinality dimensions
- Leveraged distributed systems (Apache Kafka, Druid) to create a data pipeline handling over 20 billion requests
- Streamlined observability pipelines and reduced AWS costs by 50% (actualizing total cost savings of \$600k).
- Contributed to team code review, architectural design discussions, and the analysis of system performance metrics

Zap - Blockchain Technologies Corp.

Software Developer Intern, Remote Software Developer

June 2018 - January 2019

New York, NY

- Developed complex smart contracts (decentralized applications) on the Ethereum blockchain
- Published Node.js developer packages on Node Package Manager (npm) with thousands of developer downloads

Princeton Computer Science Department

COS126 (General Computer Science), COS432 (Information Security) Grader

Fall 2017, 2019

Princeton, NJ

- Assigned qualitative feedback for students regarding program design, efficiency, and style

HackPrinceton

Hackathon Medalist, Won Ark.io's "Decentralize Everything" Award

April 2018

Princeton, NJ

- Created *Nomen*, a decentralized name registry and authentication platform for digital identity management

PROJECTS

- **Chainwatch:** As a part of faculty-advised independent work, *Chainwatch* is a blockchain statistics collection and chain monitoring platform for real-time detection of chain reorganizations and 51% attacks. (*NodeJS, MongoDB*)
- **Amgine:** An encrypted chat server and client that implemented a hybrid of public-key (*RSA*) and private-key (*AES*) cryptography for secure messaging. (*Java, PHP, SQL*)

SKILLS

- **Programming:** Java, JavaScript, C, Golang, C++, PHP, Python, Ruby, Assembly, R, Mathematica
- **Web Development:** NodeJS, PHP, SQL, MongoDB, Ruby on Rails, HTML, CSS, JavaScript, RESTful APIs
- **Blockchain:** Ethereum smart contracts, Solidity, Truffle, Web3, cryptography, information security
- **Misc:** Unix, AWS, AWK, Chef, Apache Kafka, Pandas, unit testing (Mocha, Mockito), distributed system design