

[First, Last]

[netid]@princeton.edu | [personal website] | [github profile] | [phone number] | Princeton, NJ

EDUCATION

Princeton University

Expected 2021

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

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

Airbnb

June - September 2019

Software Engineering Intern, [TEAM NAME]

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 existing observability pipelines, enabling a reduction of 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
- Facilitated service integration onto the gateway as a part of Airbnb's migration to a service-oriented architecture
- Advised developers in team office hours and through StackOverflow answers in order to coordinate debugging

[Startup Name]

June 2018 - January 2019

Software Developer

New York, NY

- Developed complex smart contracts (decentralized applications) on the Ethereum blockchain
- Organized an overhaul of code architecture and storage structure, reducing EVM gas costs by ~40%
- Published Node.js developer packages on npm with thousands of developer downloads

Princeton Computer Science Department

Sep 2017 - January 2018

COS126 Grader (General Computer Science)

Princeton, NJ

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

HackPrinceton

November 2017, April 2018

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

Princeton, NJ

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

PROJECTS & EXTRACURRICULARS

- **[project name]:** A Princeton-based events application catered towards social events. Currently used by over four thousand Princeton students monthly. (NodeJS, HTML, JS)
- **[project name]:** As a part of faculty-advised independent work, *project_name* is a blockchain statistics collection and monitoring platform for real-time detection of chain reorganizations and 51% attacks. (NodeJS, MongoDB)
- **[project name]:** 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, Mathematica (certified)
- **Web Development:** NodeJS, PHP, SQL, MongoDB, Ruby on Rails, HTML, CSS, JavaScript, RESTful APIs
- **Blockchain:** Ethereum smart contracts, Solidity, Truffle, Web3, cryptography
- **Other:** Unix, AWS, Agile, AWK, MochaJS, unit testing, information security, distributed systems