Jonah Burian

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EDUCATION

University of Pennsylvania School of Engineering & Applied Sciences — *Philadelphia, PA*
Double Major: NETS & Economics; ***Minor:*** Math — *B.S. Expected May 2023*
NETS is a specialized program at Penn that combines Computer Science and Systems Engineering

GPA: 4.0 / 4.0

Relevant Courses:
Scalable Cloud Computing; Internet Market & Social Systems; Data Structures & Algorithms; Blockchain; Game Theory; Market Design; Econometrics; Dynamic Systems; Discrete Math; Linear Algebra, Statistics; Probability; Accounting

PROFESSIONAL EXPERIENCE

Bloomberg, *Software Engineering Intern* *(NYC; Full Time)* — *Summer 2022*
- Built infrastructure to support a distributed foreign exchange pricing engine using Flink, Kafka and Kubernetes
- Designed a distributed pricing algorithm for Low Liquidity Cryptocurrency

Stealth Startup (backed by a16z), *Blockchain Engineer* *(Remote; Part Time)* — *January 2022 – February 2022*
- Developed Solidity Smart Contracts to manage Cap Tables; managed team of 4 engineers
- Built automated testing environment; worked with Web3, Truffle, Hardhat; tested on Goerli Testnet

MiPasa, *Full Stack Developer & Team Lead* *(Tel Aviv, Israel; Full Time)* — *January 2021 – July 2021*
- Designed and implemented an in-browser no-code ETL pipeline builder
- Transitioned the Java codebase to Elixir using the PETAL Stack
- Supervised all the PRs of 10 engineers to ensure compliance with business and sprint requirements

J Ventures, *Associate* *(Remote; Part Time)* — *September 2020 – January 2021*
- Prepared financial and competitor reports for Investment Committee; concentrated on fintech startups

Commonwealth Labs, *Blockchain Developer* *(Remote; Full Time)* — *Summer 2020*
- Developed in Rust Substrate-based Ink! Smart Contracts for a self-upgrading WASM smart contract platform
- Built an Auction smart contract to enable the trustless bidding of Polkadot assets; ran tests on Kusama
- Designed modules to teach developers how to build Ink! contracts in Rust on Edgeware

Wharton Stevens Center for Innovation in Finance, *Researcher* *(Philadelphia; Part Time)* — *Summer 2020*
- Programmed statistical studies focused on the effects of COVID on the global economy under Professor Sarah Hammer
- Processed and modeled data with Python and built accompanying data visualizations using Plotly and Seaborn

Maritime Capital LLC, *Data Science Intern* *(NYC; Full Time)* — *Summer 2018*
- Developed ML models in Python to determine profit making indicators in the firm's municipal bond market trading data

LEADERSHIP

Penn Blockchain Club, *Board Member* *(Philadelphia)* — *Fall 2021 - Present*
- Building club DAO; lead hackathon teams; manage research projects

University of Pennsylvania, *Teachers Assistant* *(Philadelphia)* — *Spring 2022*
- Led office hours and graded homework for CIS 320 "Introduction to Algorithms"
- Topics included: memoization, max flow, polynomial weights algorithm, linear programming, NP-completeness

Wharton Muse Consulting Club, *Consultant* *(Philadelphia)* — *Fall 2020; Fall 2022*
- Provided marketing consulting services to blue-chip and emerging-market clients (e.g., Merck & Co, Vanguard)
- Analyzed market segmentation and competition; developed detailed strategic marketing recommendations

Intro to Computer Science Course, *Teacher* *(Remote)* — *January 2021 – June 2021*
- Developed and taught an "Intro to CS" course in Java to high school students

Wharton Hackathon 2020, *Student Leader* *(Philadelphia)* — *July 2020 - September 2020*
- Planned the 2020 Virtual Wharton Hackathon; organized a panel of leading members of the blockchain community

SKILLS & INTERESTS

- ***Programming Languages:*** Java, Elixir, Solidity, Python, HTML, JavaScript, R, Git, LaTeX, OCaml, Rust
- ***Technological Skills:*** Autodesk Fusion, Coda, DynamoDB, Flink, Hardhat, Ink!, JIRA, Kafka, Postman, PETAL stack (Phoenix, Elixir, TailwindCSS, Alpine.js, LiveView), Stash, Substrate, Swagger, Truffle, Web3
- ***Interests:*** Jiu Jitsu, Hebrew, Drums, Hiking, Travel