

# Jonah Burian

burianj@seas.upenn.edu • [jonahburian.com](http://jonahburian.com)

## 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:**

**Enrolled:** Blockchain; Algorithmic Game Theory; Market Design; Econometrics

**Completed:** Scalable Cloud Computing; Internet Market & Social Systems; Data Structures & Algorithms; Econ; Game Theory; Calculus; Dynamic Systems; Physics I&II; Discrete Math; Linear Algebra, Statistics; Probability; Accounting

## PROFESSIONAL EXPERIENCE

**Bloomberg, Software Engineering Internship** (NYC; Full Time)

Upcoming Summer 2022

- Accepted to Bloomberg internship; assigned to Foreign Exchange team for crypto-related project

**Stealth Startup (backed by a16z), Blockchain Engineering Lead** (Remote; Part Time)

January 2022 – Present

- Developing Solidity Smart Contracts to manage Cap Tables; managing team of 4 engineers
- Building JavaScript testing environment; working with Web3, Truffle, Hardhat; testing 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 PRs and UI decisions 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

**University of Pennsylvania, Teachers Assistant** (Philadelphia)

Spring 2022 - Present

- Lead office hours and grade homework for CIS 320 "Introduction to Algorithms"
- Topics include: memoization, max flow, polynomial weights algorithm, linear programming, NP-completeness

**Penn Blockchain Club, Team Lead** (Philadelphia)

Fall 2021 - Present

- Collaborating with Harvard's Blockchain Club to publish a paper on zk-rollups

**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 a 20 lecture "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:** Agile Methodology, Autodesk Fusion, Coda, DynamoDB, Ink!, Hardhat, JIRA, Postman, PETAL stack (Phoenix, Elixir, TailwindCSS, Alpine.js, LiveView), Stash, Substrate, Swagger, Truffle, Web3
- **Interests:** DeFi, Blockchain, Jiu Jitsu, Hebrew, Drums, Hiking, Travel