# JONAH SCHWARTZMAN

(415) 450-1505 | jfs1005@gmail.com

## EDUCATION

**WASHINGTON UNIVERSITY IN ST. LOUIS**                          **2021-2025**, St. Louis, MO
- Bachelors of Science in Computer Science + Mathematics, Minor in Applied Microeconomics
- Class of 2025, McKelvey School of Engineering, 3.9 cumulative GPA

**TAMALPAIS HIGH SCHOOL**
- 4.56 GPA, California Scholarship Federation member, National Merit Scholarship Commended Student, JV Baseball MVP.

## EXPERIENCE

**TUTOR & GRADER**                          **2022-2024**, Saint Louis, Missouri

*Washington University - McKelvey School of Engineering*
- Mentor students seeking guidance around my fields of study, assess homework and provide helpful feedback.

**SOFTWARE DEVELOPMENT INTERN**                          **2024**, Saint Louis, Missouri

*Habitat Financial*
- Tackled issues across tech stack from designing database schema to translating business logic into processing algorithms.
- Produced insightful client data visualizations by sending queries to HTML templates and integrating Chart.js library.
- Underwent music industry crash course; understood artist/label deal splits, license contracts, and royalty statements.

**PROGRAMMING INTERN**                          **2023**, Tel Aviv-Yafo, Israel

*New Direction*
- Collaborated with small team in a fast-paced technology education startup aiming for a minimum viable product.
- Researched and implemented frameworks and services such as Python Django with SQLite, Google Firebase, and Heroku.
- Exposed to Software Development Life Cycle and had to make code modifications on short notice.

**STUDENT INTERN**                          **2022**, Larkspur, CA

*BondBloxx Investment Management*
- Supported business growth by developing Excel scripts to generate reports to expedite sales process.
- Taught myself Visual Basic programming and gained knowledge of fixed income trading and portfolio management.
- Organized dashboards for firm meetings, researched sales prospects on HubSpot

**COURTESY CLERK**                          **2020-2021**, Sausalito, CA

*Mollie Stone's Markets*
- Efficiently bagged groceries, satisfied manager requests, displayed customer service, underwent Covid safety precautions.

## CODING ENDEAVORS

- Exploring different fields of programming through coursework and personal projects.
- Created visualizations of mathematical functions using a Java drawing API and built games following laws of physics object-oriented design principles.
- Implemented Artificial Intelligence techniques to program a bot that scores high on the 2048 game.

## TECHNICAL SKILLS

- Java, C++, LaTeX, Excel VBA, JS, HTML, CSS, SQL
- Python (Numpy, Matplotlib, Sci-py, Pandas, Selenium, Pygame)

## RELEVANT COURSEWORK

- Data Structures and Algorithms, Objected-Oriented Software Development, Linear Algebra, Statistics & Data Science, Number Theory & Cryptography, Rapid Prototyping, Mathematical Analysis, Game Theory, Microeconomics, Optimization.

## LINKS

- GitHub: https://github.com/jschwartzman7
- LinkedIn: https://www.linkedin.com/in/jonah-schwartzman-95418a216
- Handshake: https://app.joinhandshake.com/profiles/t79q2a