

JONATHAN SHAMWANA

San Francisco, CA · shamwana@uni.minerva.edu · [Blog](#) · [LinkedIn](#) · [Portfolio](#)

TECHNICAL SKILLS

Languages & Tools: Python, HTML/CSS, PostgreSQL, SQL, Javascript, React, React Native

Skills & Tools: UI/UX Design, Agile Development, Cloud Computing, Figma, Jira, A/B Testing, Troubleshooting

EDUCATION

Minerva University

San Francisco, CA

BSc, Computer Science and Literature (Double Major) **GPA: 3.8**

Expected May 2026

Coursework: Data Structures & Algorithms; Design Thinking; Linear Algebra; Calculus; Artistic Communication

EXPERIENCE

GenZed

Lusaka, Zambia

Founder and Program Manager

Dec 2023 – Present

- Raised \$5,000 to host the country's biggest-ever hackathon with 300+ students and early-stage founders.
- Hired and worked cross-functionally with a web designer, content creator, and community manager.
- Interviewed 4 highly-respected developers and founders for the first edition of the newsletter.

The Minerva Project

San Francisco, CA

Event & Experience Design Intern

May 2023 – Aug 2023

- Analyzed student surveys to identify key pain points related to Legacies, a.k.a cross-class networks.
 - Designed an innovative Python algorithm to sort the Freshman class into Legacies.
 - Saved my manager approx. 9 hours of manual sorting & increased diversity of Legacies by approx. 20%.
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PROJECTS

Portfolio [website](#): (Built w/ Flask (Python); HTML; CSS; Bootstrap)

iRunway – E-commerce Marketplace

Web App

- Built a full-stack ecommerce website from scratch where people can buy and sell digital/AR clothing.
- Used OOP principles to structure and organize the code by customers, products, carts etc.
- Leveraged SQLAlchemy Relational Databases to store and retrieve product and user information.
- **Technologies:** Frontend: HTML; CSS; Bootstrap. Backend: Flask (Python); SQLAlchemy Databases

Police Brutality in the US

Data Analysis

- Analyzed 5 datasets related to police shooting incidents in the US, establishing and testing hypotheses.
 - Communicated the results with data visualizations and detailed written analyses.
 - Documented my bias identification & mitigation strategies and their respective shortcomings.
 - **Technologies:** Data manipulation: Pandas, NumPy. Data Visualization: Matplotlib, Seaborn.
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LEADERSHIP & AWARDS

- Wrote 50+ blog posts related to software engineering and the intersection of technology and fashion. Generated 10,000+ unique visitors on my personal site and 500+ claps on [Medium.com](#).
- Founded the Speakers Society, a public speaking society w/ 40+ members. Managed several stakeholders (students, event managers, the Student Life Team, etc.) to raise funds and organize three in-person events.
- Co-host of the [Humans of Minerva](#) podcast with 10,000+ listens to date.
- Awarded the 'Coupland Maths and Physics' scholarship for my mean exam result of 98%.