

# JONATHAN SHAMWANA

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

---

## TECHNICAL SKILLS

**Languages & Technologies:** Python, HTML/CSS, MySQL, PostgreSQL, React, Asana & Jira (Agile)

---

## EDUCATION

**Minerva University**

**San Francisco, CA**

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

Expected May 2026

Coursework: Data Structures & Algorithms; Machine Learning (Fall '24); Calculus; Linear Algebra

---

## EXPERIENCE

**GenZed**

**Lusaka, Zambia**

Founder and Program Manager

Dec 2023 – Present

- Identified the need for improved CS education and entrepreneurship in my hometown, Lusaka.
- Raised \$5,000 to host the country's biggest ever hackathon with 300+ students and early-stage founders.
- Collaborated cross-functionally with a web designer, content creator and community manager.
- Sent out the first edition of the newsletter (an interview) to the emails collected from the hackathon waitlist.

**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 clustering algorithm (Python) to better classify the Freshman class into Legacies.
  - Saved my manager approx. 9 hours of manual sorting & increased diversity of Legacies by approx. 20%.
- 

## PROJECTS

Portfolio website: [jonathans-portfolio.onrender.com](https://jonathans-portfolio.onrender.com) (Built w/ Flask (Python); HTML; CSS; Bootstrap)

**Afrika Tales – Generative AI**

**Web App**

- Built a web app that generates custom bedtime stories for African children, using the OpenAI API.
- Implemented design principles (E.g, Limited Capacity) to choose appropriate fonts, colors, and white space.
- The web app addresses the pain point of insufficient representation in children's entertainment.
- **Technologies:** Frontend: HTML; CSS; Bootstrap. Backend: Flask (Python); OpenAI API

**i-Runway – Digital Fashion**

**Ecommerce Marketplace**

- Identified an increasing demand for sustainable fashion alternatives such as digital clothing.
  - Built a full-stack ecommerce website, where people can buy and sell digital clothing.
  - Leveraged SQLAlchemy Relational Databases to store and retrieve product data.
  - **Technologies:** Frontend: HTML; CSS; Bootstrap. Backend: Flask (Python); SQLAlchemy Databases
- 

## LEADERSHIP & AWARDS

- Wrote 50+ blog posts related to software engineering and the intersection of tech and fashion. Generated 10,000+ unique visitors on my personal site, and 200+ 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, a podcast with 5,000+ listens to date.
- Awarded the Coupland Maths and Physics scholarship for my mean exam result of 98%.