

JOSHUA MARK

(334)450-9679 · joshjohnmark@gmail.com · [linkedin.com/in/j-mark/](https://www.linkedin.com/in/j-mark/) · l-iet.github.io/

EDUCATION

Minerva University

San Francisco, CA - 2021- 2025

Candidate for Bachelor of Science, Computer Science and Artificial Intelligence, Mathematics

Minerva is a highly selective (~2% acceptance) university recognized in 2022 as the [most innovative university](#) in the world.

Key Courses: Introduction to Computer Science, Algorithms and Data Structures, Calculus, Linear Algebra, Real Analysis

SKILLS AND INTERESTS

Technical Skills/Proficiencies: Python (10/10) and packages including Numpy (9/10), Scikit-learn (9/10), Pandas (8/10), Tensorflow (9/10), Plotly (10/0), Spacy (8/10), Flask (9/10) and Django (9/10). R(4/10), C++ (7/10), Javascript (8/10), SQL (7/10).PostgreSQL (8/10), AWS (6/10), Google Cloud (9/10), Google Suite (9/10), Heroku (10/10), Git (9/10), Linux (7/10).

Clubs and Affiliations: *Member* -ColorStack, *Cybersecurity student* -CodePath, *Technical Lead* -Google Developer Student Club, *Finalist* - Code2040

Certifications/Courses: *Data-Driven Astronomy (Python/SQL)*, University of Sydney; *Machine Learning with Google Colab*, Udemy; *Python for Data Science*, Sololearn; *Introduction to Mathematical Thinking*, Stanford University

Personal Interests: All things algebra, coding, anime, sci-fi entertainment, cartography.

EXPERIENCE

Outschool - Software Engineering Intern, Incoming

San Francisco, CA - May 2023 –

Minerva University - Outreach Intern (Data Analysis)

San Francisco, CA - Sep 2021– Apr 2022

- Performed exploratory data analysis on student, applicant and counsellor data resulting in 70% more streamlined responses to individual issues.
- Used Python to automate tasks of contacting individuals, scheduling sessions, dataset cleaning and comparison, leading to approximately 10 times faster completion.

Nigerian Christian Institute - Teaching Assistant, Department of Mathematics

Uyo, Nigeria - Sep 2019– Dec 2019

- Responsible for teaching mathematics and computer science to 120+ high-school students
 - Introduced novel teaching methods using animations which improved students' performance by >60%
-

PROJECTS

[Personal Website](#) – comprehensive info on more projects and biography.

[Access](#) – enables internet connectivity through text, catering for 25% of the world's internet access when completed. Made with **React-Native, Python, Twilio** and **Google Assistant**. Worked on the backend. Received the **Best Beginner's Hack Award, CalHacks 8.0, 2021**.

[VidSearch](#) – search engine for spoken audio in youtube videos, reducing search time by >90%. Built using **HTML, CSS, Javascript, Python/Flask**.

[Orbital](#) – Interactive 3D visualisations of electron orbitals in a hydrogen atom, helping students have 40-80% better understanding of electronic orbitals over 2D visuals. Built with **HTML, CSS, Python/Flask, Plotly**.

[ResuMateX](#) – Worked on frontend and backend development of a personal resume assistant.

LEADERSHIP EXPERIENCE

[Technical Lead, Google Developer Student Club, Minerva University, 2022](#) - organise and facilitate technical events on machine learning, cloud computing, Google Cloud Platform and other technologies.

[Young Nigerian Scientists Presidential Award, 2019](#) - awarded to 3 highest achieving Nigerian students in science and tech.

[National Award, International Youth Math Challenge, 2020](#) - awarded to the highest scorer in Nigeria.

Gold Award, International Youth Math Challenge, 2020 & 2021 - awarded to the top <3% scorers internationally.

[Fellow, Code2040, 2023](#) - Became part of the largest racial equity community in tech with other talented students.