

# Nathnael Mekonnen

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- **Summary:** Passionate about developing software to solve feasible problems and build a software developer career. I study at the world's **#1** Most Innovative University, ranked by [WURI 2022](#) and ~1% acceptance rate.

## EDUCATION

**Minerva University - Computer Science and Economics Major,** San Francisco, CA - Class of 2025

- **Courses:** Calculus I-III, Data Structures, Algorithms, Linear Algebra Applications, and Discrete Mathematics, Economics and Finance, Econometrics, Building powerful Software apps, and Harnessing AI algorithms.
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## SKILLS AND INTERESTS

- **Programming Languages:** Advanced Python, intermediate JavaScript and C++, Big Data Analysis with Python and SQL, PERN full stack, Node JS, Express JS, React JS, Flask, AWS, and PostgreSQL.
  - **Soft Skills:** Problem-solving, team player, multimodal communicator, self-start, critical thinking, leadership, detail-oriented, creativity, and fast learning.
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## WORK EXPERIENCE

### Salesforce

San Francisco, CA - 06/2023 – 08/2023

- Led a team of **3**, to build a global healthcare matching system, utilizing data analytics and machine learning algorithms via sci-kit-learn and cosine similarity to yield precise client-professional matches on a Flask Server.
- Developed RESTful API endpoints on a Node server, streamlining appointment bookings, updates, and cancellations with real-time notifications.
- Managed Agile sprints, delivering feature-rich updates with keen attention to robustness and scalability.

### Minerva University - ICT Engineering and Support Intern

San Francisco, CA - 09/2021 – 04/2023

- Reformed the team to effectively serve the **1000+** members of the university by creating new communication and troubleshooting algorithms that improved the finance and student life team's case response time by **72** hrs

### The Learning Accelerator - Data Analyst and Consultant (remote)

Portland, ME - 06/2022 – 08/2022

- Built a database project by cleaning, modeling, analyzing, and creating **3** interactive data visualizations from the organization's database to assist investors' funding decisions for more than **500+** educational entities in the US, Canada, and Europe.
  - Used advanced **Python** data wrangling and analytics and **Tableau** for interactive visuals.
  - Consulted the company about database management and trained **5** employees to build upon the project.
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## PROJECTS

### ● JP Morgan Chase Software Engineering Virtual Experience:

- Completed a live stock price data streamer and trading opportunity indicator (correlation analysis) real-time dashboard for investors by fixing Typescript, JS, the Perspective tool, and Python codebases.
- Built HomeHeart a networking app for finding therapists globally for immigrants using Machine Learning and PERN stack.
  - Led others **2** and did the full backend and database system as well as integration with React Frontend.
- Developed a Python Telegram Bot to organize posts from physical notification boards locally in Ethiopia.
- Built a Smile Detector Snapshot by Machine Learning using Raspberry Pi, Sckit-learn, and Open CV Python.

## ACCOMPLISHMENTS

- Selected as Salesforce full stack developer as one of **60** interns from **2000+** applicants in Summer 2023.
- **Cisco Big Data Analysis and IoT:** Completed **4-month** course with Honor (**100%** score) in June 2022.
- Completed **10** weeks of **Codepath's** Data Structures and Algorithms for Interview-prep course in 2022.
- **3rd** winner of Solve It Business Innovation Competition 2020 by building an Android phone gadget.