

# ROSE GATHONI NJUGUNA

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## EDUCATION

Minerva University, San Francisco, CA

Expected Year of Graduation: 2024

*Bachelor of Science; **Computer Science** - Artificial Intelligence*

**Relevant Coursework:** Software Development; Machine learning; Data Structures and Algorithms; Object Oriented Programming (OOP); Web Development; Advanced Calculus; Modeling and Simulations; Optimization Methods; Statistical Data Analysis, Linear Algebra, Probability and Statistics; Theory of Computation

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## EXPERIENCE

**180 Degrees Consulting** | *Business Analyst*

**London, UK** | *February 2024 – Present*

- Consultant for non-profits and social enterprises at 180 DC Minerva's London Branch.

**Deepcore** | *Software Engineering AI Lab Intern*

**Tokyo, Japan** | *September 2022 – Present*

- Prototyped and modeled products for image processing and speech recognition to enhance accessibility.
- Trained models for sign language detection using **OpenCV** to improve the model's accuracy by 20%.
- Designed user interfaces for users to interact with the model using **AssemblyAI** API, **JS**, and **React**.

**PricewaterhouseCoopers** | *Cloud Innovation & Engineering Intern*

**Washington DC, USA** | *June 2022 – August 2023*

- Designed an integrated project plan and process maps by organizing workstreams and setting up governance for a self-sustaining cloud optimization model for FinOps.
  - Supported cloud-based digitization shifts and operational system replacements as a technology consultant taking into account pre-migration and business impacts and assessing the risk profile involved.
  - Facilitated user acceptance, integration, and performance testing for all functional and non-functional test cases and tracked all logged defects for bug fixes.
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## PROJECTS

**Kimchi and Chips** | *Machine Learning Intern*

**Seoul, South Korea** | *October 2021 – December 2021*

- Training data to optimize for accuracy in muscle memory through Reinforcement Learning
- Used numerical solving to analyze variables and optimize motors' magnetic fields and accuracy

**Downtown Streets Team** | *Web Development Project*

**San Francisco, CA** | *October 2020 – April 2021*

- Optimized UI and UX design strategies to realize the organization's objectives and improve user interactivity.
- Incorporated visual art through photography and video editing to improve user experience and engagement

**Other Projects:** Plagiarism Detector, Traffic Simulator, Task Scheduler, Dynamic website for Animal Justice

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## TECHNICAL SKILLS

**Languages:** SQL; Python; Javascript; React; HTML/CSS; Django; C#; Vue.js

**Developer Tools:** PyTorch; OpenCV; Tensorflow; AssemblyAI; Arduino; Docker; MS Excel; Miro; Figma; Jira

**Technologies/ Frameworks:** Agile Product Management; Cloud - AWS; Github; Robotics; Design thinking and Prototyping; Reinforcement Learning; Machine Learning; UI/UX design; Tailwind CSS; Cloud Optimization (FinOps); Scrum; PowerPoint; PowerBI; Alteryx; System Architecture, Web APIs (REST)

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## LEADERSHIP AND ORGANIZATION

CodePath   Rewriting the Code   Colorstack   Tinker STEM Education   Women in CS+   FutureTakers