

EMILE IZERE

New Haven, Connecticut, +1 4753659238, emile.izere@yale.edu, <https://www.linkedin.com/in/emile-izere-886432267/>

EDUCATION

Yale University, USA, New Haven, CT

AUGUST 2023 - Present

Bachelor of Science, Computer Science & Economics, Certificate in Data Science

- Relevant Coursework: Data Structures, Full-Stack Web Development, 100 Days of Python Programming, AI and Machine Learning, Econometrics, Systems Design
- Technical Programs: CodePath (Technical Interview Prep), CMU CS Academy (Python), Onexys (Economics), AI4ALL (AI and Machine Learning).

Agahozo-Shalom Youth Village, Rwanda, Kigali

December 2017 - August 2022

Students Government's Vice President & Valedictorian of the 2022 Class

RELEVANT EXPERIENCE

AI4ALL

September 2024 - Present

Scholar

- Developing a supervised machine learning model predicting improvements in cognitive skills (problem-solving, creativity,...) based on the extent of VR usage in education. decision trees, logistic regression, and real-world datasets.
- Applying ethical AI principles to address biases in financial data, improving model accuracy and fairness, and applying decision trees, logistic regression, and real-world datasets to implement AI projects.

CodePath, *San Francisco, USA*

June 2024 – Present

Scholar

- Mastered algorithms and data structures (binary trees, hash tables, graphs, stacks & queues,...)
- Solved complex technical problems and optimized code for efficiency during system design challenges.

Vanguard Economics, *Kigali, Rwanda*

May 2024 – August 2024

Data Analyst Intern

- Built econometric models using Python and R to analyze East African development banks, identifying inefficiencies and proposing data-driven solutions to enhance financial inclusion.
- Improved data analysis processes, reducing report generation time by 30%.

Irembo.com, Kigali, Rwanda.

May 2024 – June 2024

Emerging Engineer Intern

- Improved key features of IremboGov, enhancing user navigation and backend stability, which streamlined processes for government services online.

PROJECTS

TechTalent Connect

Nov 2023 – Dec 2023

- Designed and implemented a full-stack job search platform using HTML, CSS, and JavaScript, allowing users to filter job opportunities by role and location.
- Integrated REST APIs for real-time job listings, improving platform functionality and user experience.

SKILLS, AWARDS, AND EXTRACURRICULAR INVOLVEMENT

- **Skills:** Python, Data Structures, Full-Stack Web Development, SQL, C, R, Data Collection and Analysis.
- **Awards:** Ranked 3rd in the 2019 Global CMU Python Coding Competition
- **Extracurriculars:** ColorStack, Yale Computing Society, YaleHack (YHack), Yale Effective Altruism, LeFrak-Friedberg.