

GAVIN GOODWILL WAAKO

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SUMMARY

I'm deeply interested in software engineering, machine learning, and data science. In the near future, I see myself working as an ML Research Scientist, publishing research, and building next-generation AI software systems that push the boundaries of what's technologically possible. Recently, I've been diving deep into the architecture and implementation of deep neural networks, Transformers, LLMs, etc. When not coding, I love exploring the city of Boston, traveling, and trying out new food. I also have a medium blog where I document my learning journey. Be sure to check it out.

PROFESSIONAL EXPERIENCE

- Grid Zero, PyTorch, React/React Native, SQL, Docker** <https://grid-zero.co.za/> Aug. 2021 – Dec. 2024
- Built a loadshedding prediction model for South Africa, trained on Eskom national grid data, with more than 80% accuracy (*PyTorch, Docker*).

EDUCATION

- MassBay Community College**, ASc in Computer and Information Sciences Boston, MA Jan 2025 — Present
- Relevant courses: Autonomous Vehicle Navigation, Advanced Robot Control, AI for Robotics.

HONOURS & AWARDS

- 2x Dean's List Nominee, Spring 2025 through Fall 2025**, MassBay Community College Nov. 2024
Inducted into Phi Theta Kappa Honor Society, MassBay Community College Jan. 2025

SKILLS & INTERESTS

Programming Languages: Java, Python, TypeScript, SQL.

Frameworks: PyTorch, Next.js, React/React Native, Redux Toolkit, Node.js

Dev Tools: Git, Docker.

Libraries: pandas, NumPy, Matplotlib

Professional Certifications: AWS Certified Cloud Practitioner

Languages: English (Native), Spanish (Limited working proficiency)

Interests: Suborbital rocketry, deep-sea exploration, artificial intelligence, autonomous robotics, quantum computing.