Aiden Mizhen

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EDUCATION

University of Michigan <div align="right">**Ann Arbor, Mi**</div>

Honors Mathematics <div align="right">*Aug 2023 – Apr 2027*</div>

Computer Science <div align="right">*GPA: 3.8 – SAT: 1560*</div>

- **Relevant Coursework**: Honors Analysis, Honors Linear Algebra, Advanced Operating Systems, Computer Organization, Probability Theory, Honors Mathematics I, Data Structures and Algorithms I/II, Discrete Math
- **Extracurricular**: Traders at Michigan, Poker Club, Michigan Snowboard Club, Michigan Climbing Club

EXPERIENCE

Cloud Linux <div align="right">**New York, NY**</div>

Software Developer Intern <div align="right">*May 2024 – Aug 2024*</div>

- Worked with the Alma Linux Build System team to implement multiple features to enable custom products
- Engaged in code reviews and design discussions
- Extended existing UI with Vue.js to support backend changes
- Utilized Python with FastAPI as well as PostgreSQL

LLM Reinforcement Training with Human Feedback <div align="right">**Remote**</div>

Contractor <div align="right">*Jan 2024 – Present*</div>

- Wrote and evaluated complex prompts and responses for training one of the largest proprietary LLMs
- Wrote, debugged, tested, and analyzed Python, Java, C, and C++ code

PROJECTS

Neural Network Framework <div align="right">**Ann Arbor, MI**</div>

Python, NumPy <div align="right">*Nov 2023 – Jan 2024*</div>

- Implemented a neural network from first principles using Python and NumPy, including linear and convolution layers

Graphics Engine <div align="right">**New York, NY**</div>

Python, NumPy <div align="right">*Jan 2023 – Jun 2023*</div>

- Built a triangle-based graphic engine using NumPy and PIL, incorporated 3D graphics, a basic scripting language, and shading

Stuyvesant x Google Mentorship Program <div align="right">**New York, NY**</div>

Python <div align="right">*Mar 2022 – Jun 2022*</div>

- Collaborated with a Google engineer and a small group and built a renewable energy optimization algorithm in Python
- Simulated output of renewable energy and storage using NASA API data, to find optimal locations for green energy infrastructure

TECHNICAL SKILLS & LANGUAGES

Languages & Skills: Python, C, C++, Octave, Linux, Git, FastAPI
Interests & Hobbies: Board Games, Rock Climbing, Poker