

Eric Stewart

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EDUCATION

State University of New York at Oswego
Bachelor of Science in Computer Science

December, 2024
Oswego, NY

PROJECTS

Gravity Waves Analysis Tool

Jan. 24 - May 24

- Designed and implemented the graphical user interface and graphing algorithms.
- Collaborated in a team to iteratively define and apply core software engineering principles, ensuring project milestones were met.

Checkmake

Sep. 24 - Dec. 24

- Developed and integrated a secure login service, connecting the frontend and backend systems.
- Collaborated in a team to ensure robust authentication mechanisms and seamless user experience.

MiniJava Compiler

Sep. 24 - Dec. 24

- Built the parsing, type-checking, and code generation components for a MiniJava compiler.
- Applied advanced programming concepts, including syntax analysis and type systems, to ensure correct and efficient compilation.

Youtbedl-gui

Sep. 24 - Dec. 24

- Developed the graphical interface and hooks into the backend.
- Ensured that the program was intuitive and usable for users following various gui principles and techniques.

SKILLS

Programming Languages: Java, Python, C++, C

Operating Systems: UNIX/Linux, Windows

Libraries/Frameworks: TensorFlow, NumPy, Pandas, Open Liberty, Tkinter, ANTIR, ASM, Java Swing

Programs/Environments: IntelliJ IDEA, PyCharm, CLion, Visual Studio, Visual Studio Code

Specialized Knowledge: Java Concurrency, Compiler Design, Machine Learning, Artificial Intelligence, Computational Linguistics, GUI Design and Implementation