

Eric Simonetti

Current Address

175 W 8th Street
Oswego, NY 13126

esimonet@oswego.edu

(518) 502-3552

<https://github.com/EricSimonetti>

Permanent Address

89 Edie Road
Saratoga Springs, NY 12866

Education

State University of New York at Oswego, Oswego NY

Bachelor of Sciences degree in Computer Science and Mathematics (Class of December 2021)

GPA: 3.85

- Co-op Scholarship Award, Honors student

Skills and Honors

- Proficient in Java, Javascript, C, C++, and C#, experience with Clojure, Prolog, and Scala
- Backend development with database integration (SQL, MongoDB)
- RESTful API, Network and internet protocols
- Git / Version control
- Attained the rank of Eagle Scout on January 1st, 2019
- Highly developed problem solving, communication, and leadership skills

Class-Based Projects

State University of New York at Oswego, Oswego NY

Programming Languages Course (344)

January 2019 – May 2019

- Wrote programs in five different languages of multiple paradigms
- Languages included C, Clojure, Scala, Prolog, and Python

Software Engineering Course (380)

September 2019 – December 2019

- Planned, designed, and programmed a semester long project with two teammates
- Designed the program around IBM's Open Liberty software that utilizes REST protocol
- Programmed using Java, Angular, HTML, and JavaScript
- Worked closely with software engineers at IBM to ensure the process was up to their standards

Game Programming Course (455)

January 2020 – May 2020

- Programmed multiple small games and conventions on how to code them
- Used the libgdx API, implemented state machines, and steering behaviors for AI

Compiler Construction (444)

September 2020 – December 2020

- Programmed from the ground up a Mini-Java compiler using Antlr4
- Implemented a recursive decent parser, typing checking a symbol resolution, generation of code, and basic optimization

Software Design (480)

January 2021 – May 2021

- Worked with a team of classmates to design and program a market viable product
- Implemented pathfinding algorithms and facilitated the connection between the GUI, backend, and database through http requests using IBM's Open Liberty software