

Eric Simonetti

Software Developer

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EDUCATION

Computer Science and Mathematics

State University of New York at Oswego

📅 09/2018 - Ongoing

- Co-op Scholarship Award, Honors student

GPA
3.85 / 4.0

PROJECT BASE COURSES

Software Engineering (380)

📅 09/2019 - 12/2019 📍 SUNY Oswego

Social Media Webapp

- Planned, designed, and programmed a semester long project with two teammates
- Programmed using Java, Angular, HTML, and JavaScript
- Designed the program around IBM's Open Liberty software that utilizes REST protocol

Software Design (480)

📅 01/2021 - Ongoing 📍 SUNY Oswego

Shopping and path optimization Web-app

- Worked with a team of classmates to design and program a market viable product using dev-op and agile development strategies
- Created Micro-service that connects to a database and uses restful web protocols to communicate with the front end
- Implemented a pathfinding algorithm that optimizes the route throughout the store, hitting all selected items

Game Programming Course (455)

📅 01/2020 - 05/2020 📍 SUNY Oswego

Programmed multiple small games and learned conventions on how to code them

- Used the libGDX API, implemented state machines and steering behaviors for complex AI

Compiler Construction (444)

📅 09/2020 - 12/2020 📍 Location

Programmed a Mini-Java compiler from the ground up using Antlr4

- Implemented a recursive decent parser, typing checking a symbol resolution, generation of code, and basic optimization

SKILLS

Java

C++

C

Git

HTML5

CSS

Angular

JavaScript

mongoDB

Problem Solving

Clojure

SQL

Python

RESTful APIs

Natural Language Processing

High Level Mathematics

WORK EXPERIENCE

Research Assistant

SUNY Oswego

📅 06/2021 - Ongoing 📍 Oswego, NY

Computer Science Department

- Worked on an open source natural language processing system
- Researched lexical knowledge sources in word sense disambiguation
- Integrated and tested changes with in the system using the semantic mapping rules

Cashier

Allerdice Hardware

📅 06/2020 - Ongoing 📍 Saratoga Springs, NY

Hardware Store

- Greeted customers and helped them find the right products for their needs
- Stocked and cleaned store when business was slow

ACHIEVEMENTS



Eagle Scout

Attained the rank of Eagle Scout on January 1st, 2019