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## EDUCATION

<b>Oswego, NY</b>	<b>State University of New York (SUNY) College at Oswego</b>	<b>Fall 2016 – Dec 2020</b>
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- B.A in Computer Science, Dec 2020
- Undergraduate Coursework: Programming Languages, Web Services, Data Structures and Algorithms

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## LANGUAGES AND TECHNOLOGIES

- Proficient with: Java; Some Experience with: HTML, CSS, JavaScript, Python, C, LaTeX;
- IntelliJ IDEA, Visual Studio Code, NetBeans
- Bootstrap 4, Java EE, MySQL, Java Swing
- macOS, Ubuntu, Windows 7, 10

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## SELECTED COURSEWORK

### Software Engineering (Fall 2017)

#### GUIGoPiGo

- Designed and implemented a web client for a robot using HTML, CSS, and JavaScript.
- Used Git and GitHub to collaborate on code with a 6-person team.
- Used Linux Terminal to manage files hosted on the robot and run Python code.
- Contributed to the Software Requirement Specification document (SRS) that described the goals and purpose of the project.
- Created UML diagrams in order to represent the system under development (class, sequence, and activity diagrams).

### Web Services (Spring 2020)

- Designed a RESTful API which allowed a user to create an account, add sneakers to a MYSQL database, and retrieve the information as a JSON response.
- Implemented the API in multiple frameworks over the course of the semester (Java EE Servlet API, Grails, Spark Java and Dropwizard).
- Used Maven to build sources and download dependencies for the project.

### Software Quality (Fall 2019)

- Worked in a 3 person team to create a Quality Management Plan (QMP) that expressed the team's rationale behind the various testing methods.
- Utilized Specification Based Testing (SBT) techniques to derive equivalence classes.
- Derived **100+** test cases for all non-trivial methods and classes in the program.
- Implemented all test cases in JUnit and reported a **96.88%** test passing rate.

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## PROJECTS

### Other Projects

- **JBento** (2019-Present). Website created to sell instrumental music. Bootstrap 4, HTML, CSS, JavaScript;
- **mailMe** (2019). Program that filters source files in a directory and creates HTML files comprised of all keywords found. Compresses the files and automatically emails them to a user specified email address. Python, Linux, HTML, CSS;
- **Dictionary GUI** (2016). Graphical User Interface for a dictionary comprised of 20,000 words. Java, Java Swing;
- **Turing Machine** (2019). Turing Machine implementation. Can read and write digits from a text file and print to the command line. C;