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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>
<ul style="list-style-type: none"><li>• B.A in Computer Science, Dec. 2020</li></ul>		

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## LANGUAGES AND TECHNOLOGIES

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

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## SELECTED COURSEWORK

### Web Services (Spring 2018)

- Designed a RESTful API which allowed a user to create an account, add sneakers to a SQL table and retrieve the information as a JSON response.
- Used Postman to test API endpoints.
- Set up a Tomcat 7 server to receive HTTP requests from a client.
- Created SQL tables using MySQL to store user credentials, sneaker data and API tokens.
- Used Maven to build sources and download dependencies for the project.
- Implemented the API in multiple frameworks over the course of the semester (Java EE Servlet API, Grails, Spark Java and Dropwizard).

### Software Engineering (Fall 2017)

#### GUIGoPiGo

- Designed a web client for a robot using HTML, CSS, and JavaScript.
- Implemented a waypoint tracking system that updated an image of the car's location.
- Used the Linux terminal to manage files hosted on the robot and run Python code.
- Contributed to the software requirement specifications document (SRS) that described the goals and purpose of the project.
- Created UML diagrams to represent the system under development (class, sequence, and activity diagrams).
- Used Git for version control and code management.

### Data Structures (Fall 2019)

- Developed an application that searches for Wikipedia links on a page to derive the link that would be most relevant to a user.
- Used JSoup to scrape Wikipedia page for links to other Wikipedia pages.
- Implemented a separate-chaining HashTable to store word information (term frequency, word length, document word count).
- Implemented a term frequency-inverse document frequency (TD-IDF) statistic to obtain the URL that is most relevant to the original Wikipedia page.
- Designed a Java Swing GUI that displayed the comparison metrics.

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## LEADERSHIP

- **Computer Science Association Tutor (2017):** Reinforced object-oriented programming principles and taught useful debugging techniques to students.
- **Digital Music Association President (2018-Present):** Organizes programs and workshops focused on music production and showcasing student talent on campus.