**Travis Liu**

647 546 9553 | travisliu3@gmail.com

**Summary of qualifications**

* Consistently score 100% on technical assignments and projects
* Creative problem-solving skills – able to explain hard concepts to students, improving their grades by over 20%
* Proficient with C, C++, JS, MongoDB and Oracle SQL and Linux
* Has very good understanding of Data Structures and Algorithms

**Technical Skills**

|  |  |
| --- | --- |
| **PROGRAMMING LANGUAGES** | C, C++, JavaScript, Python |
| **DATABASES** | Oracle 12c, MySQL, MongoDB, PostgreSQL |
| **DESIGN AND IDE TOOLS** | MS Office, MS Visual Studio, MS Visual Code, Visual Paradigm, GitHub, Git |
| **OPERATING SYSTEMS** | Windows, Linux/Unix |
| **FRAMEWORKS** | Express.js, React.js, Next.js, Node.js |

**Education**

**Seneca College** Jan 2022 to Present

Computer Programming and analysis(CPA)

**Relevant Experience**

**Appointment Management Project(**[Appointment-management (github.com)](https://github.com/travisliu3/Appointment-management)**)** Feb 2022 to Mar 2022

* Developed an appointment management platform using C, where the user can manage their appointments.
* Code features include viewing, adding, editing, and removing data.
  + Provide users a way to see the different appointments history.
  + Visualized appointment data in assorted manner to prioritize the current appointment.
* Ensure the usage of software development lifecycle while creating the software.
* Troubleshooted and determine root cause and resolution of software defects.

**Library Inventory System(**[Libraray-inventory-system (github.com)](https://github.com/travisliu3/Libraray-inventory-system)**)** Jul 2022 to Aug 2022

* Developed a library inventory system, which maintains the inventory of a library.
* Code features include viewing, adding, editing, and removing data.
  + Provide the user to locate any book or publication easily.
  + Displays all possible search with a partial name of the book or publication.
* Used object-orientation to write the code in a well-designed manner.

**Movie Description website using Next.js(**[Movie-description (github.com)](https://github.com/travisliu3/Movie-description)**)** Feb 2023 to Feb 2023

* Developed a web application which list movies and their description.
* Code features include viewing movie details, pagination, and rout to different pages.
  + Display list of 10 movies per page to select from.
  + Expand the selected movie from the list to view movie details.

Used Next.js features like pre-rendering to enhance the performance of the website.

**Museum art Description website using Next.js(**[Web-Artwork-prj (github.com)](https://github.com/travisliu3/Web-Artwork-prj)**)** Feb 2023 to March 2023

* Developed a web application to browse different art works.
* Code features include viewing specific art detail, search history, and favorites page.
  + The website keeps track of the search history of the user.
  + User can add any number of artworks to their favorite list.
  + It provides advanced search functionalities using Next.js forms.
* Maintained application state using Jotai.

**Student Lab Assistant** Jan 2023 to Present

* Assisted professor in-class to solve student’s doubt regarding their assignments and understanding any concept.
* Helped students to troubleshoot their program and help them understand the logic building process.
* Significantly improved student grades, increasing their average by over 20%.
* Think creatively to explain technical concepts in a relatable form that is easy to understand and memorable.

**Board of Director** May 2023 to April 2024

Got elected as a Board member of Seneca Student Federation.

My responsibilities include:

* Oversee and monitor SSF’s mission, vision and values, and strategic planning process and direction.
* Develop and approve by-laws covering such topics as the selection of officers, committee structure, meetings and voting procedures, and standards of conduct.
* Monitor and evaluate the performance of the SSF’s President, Executive Director, and all Board committees.
* Report on all Board and SSF matters to the general membership on at least an annual basis in accordance with the SSF By-Laws.