Seung Jae Yang

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🎓 Education

University of Toronto   Sep 2020 – May 2024
BASc in Computer Engineering | GPA: 3.94/4.0   *Toronto, ON*

💼 Experience

Software Engineering Intern   Jul 2020 – Sep 2020
FIBOS Inc.   *Toronto, ON*
> Developed a network of wireless sensors using **Python**, **C++**, **C**, and **SQL** to stream live data onto **Microsoft Azure IoT platform**.
> Built a full-stack **Python** application that simulates a power distribution plant sensor network environment.

Camp Counselor/Head-Leader   May 2017 – Jun 2020
ALIVE Outdoors   *Toronto, ON*
> Designed and organized daily events/activities for 100+ campers.
> Lead team initiative activities, various Eco-friendly challenges, and campfires.
> Worked together with YMCA camp staff to regulate camping grounds 24 hours a day during the stay.

🧩 Projects

UniMunch Webapp   Dec 2020 – Present
> Developing a **Ruby on Rails** food-sharing social media web application.
> Familiarized with Model, View, and Control (**MVC**) frameworks.
> Utilized **JavaScript**, **HTML**, **Bootstrap**, and **CSS** to develop the front-end of the web application.

Sorting Algorithms Visualizer   Jul 2020 – Jan 2021
> Developed full-stack **Java** and **Python** applications that visualize five different sorting algorithms.
> Analyzed concepts of multiple sorting algorithms: Bubble Sort, Selection Sort, Insertion Sort, Merge Sort, Quick Sort and Radix Sort Algorithms.

Path-finding Algorithms Visualizer   Jun 2020 – Nov 2020
> Developed a full-stack **Python** application that visualizes four different search algorithms.
> Analyzed various search algorithms: Breadth/Depth-First, A-Star, Dijkstra's, and Bidirectional Search Algorithms.

⚙ Skills

Technical Skills Python, Java, Ruby on Rails, C, C++, SQL, MATLAB, LaTeX, Microsoft Azure, Microsoft Power BI
Courses Data Structures and Algorithms, Computer Programming Fundamentals, Engineering Design
Soft Skills Problem solving, Co-operative, Communicative
Talents Drumming, Video Production, Guitar, Piano

🏆 Achievements

Drumline Leader   Sep 2016 – Jun 2020
> Lead the Drumline to win the Canadian scholastic champion title for 3 consecutive years as the captain.

3x Canadian Individual Drum Solo Champion   Jan 2017 – Feb 2019
> Placed first at Canadian Drumline Association's annual solos competitions for 3 consecutive years.

Faculty of Applied Science & Engineering Admission Scholarship $5000
Basilian Book Award/Scholarship $300