

# Samuels Sun

North York, ON | (437) 868-0505

[samuels.sy.sun@gmail.com](mailto:samuels.sy.sun@gmail.com) | [linkedin.com/in/samuels-sun](https://www.linkedin.com/in/samuels-sun) | [github.com/SikYinSun](https://github.com/SikYinSun) | [samuelssun.netlify.app/](https://samuelssun.netlify.app/)

## Summary

---

- Experienced full-stack developer with a passion for tackling challenges and delivering results; holder of Computer Science Bachelor and an Ontario Post-graduate Certificate in Applied Artificial Intelligence Solutions Development
- Quick learner and adaptable to new skills; exceptional communication skills
- Ability to excel both independently and collaboratively within dynamic team environments, leveraging strong communication and interpersonal skills to foster effective teamwork and achieve shared goals.

## Technical Skills

---

**Languages:** JavaScript, TypeScript, HTML, CSS, Python, SQL, Java, C, bash  
**Frameworks/Tools:** React, Vue, Angular, Nodejs, Express.js, Flask, Bootstrap, Tailwind CSS, REST API, JDBC, JSP, Git, Agile, JIRA  
**Platform/Database:** AWS, Azure, Docker, RDBMS, MySQL, PostgreSQL and MongoDB, Linux

## Professional Experience

---

### Full Stack Developer (Co-op), Gliese.AI

Jun 2023 – Sept 2023

Toronto, ON (remote)

- Designed and developed AI dental application using a wide variety of frameworks and tools including Python, OpenAI, Whisper, Botpress, Docker, AWS EC2
- Lead the development of the application with Agile methodology, fostering collaboration among team members and achieving project goals ahead of schedule. Provided guidance to the team throughout the project.
- Built responsive and interactive web user interface using React, Material-UI, and integrated with Chatbot.
- Designed and applied database schema of relational and NoSQL databases such as MySQL and MongoDB

## Academic Project

---

### "Drowsiness Detection"

George Brown College | Toronto, ON

Mar 2023 – May 2023

- ❖ Lead the development of web application that allows real-time analysis of user's facial expression through camera using HTML, CSS, JavaScript, OpenCV, docker, AWS EC2 and NGINX with SSL Certificate installation
- ❖ Streamlined data processing using Roboflow
- ❖ Conducted thorough code reviews in a pair to ensure quality and adherence to standards

## **“No Time to Cook”**

*University of California San Diego* | San Diego, CA

Sept 2021 – Dec 2021

- ❖ Designed and developed quick-to-prepare recipe full-stack web application using HTML, CSS and JavaScript
- ❖ Integrated unit tests to CI/CD pipeline with Jest and GitHub Action
- ❖ Conducted pair programming and code review to deliver high-quality solutions and understanding.
- ❖ Collaborated within a dynamic team environment, contributing to both front-end and back-end development tasks. Demonstrated adaptability and teamwork while ensuring a cohesive integration of UI and server-side functionality.

## **University Database Simulator**

*University of California San Diego* | San Diego, CA

Mar 2022 – Jul 2022

- ❖ Revolutionize the university's processes with a streamlined database system and web pages designed to provide easily accessible information about courses and student performance.
- ❖ Designed and implemented database schema of relational databases using ER model
- ❖ Lead the development of the database and web page utilizing Java Server Pages with PostgreSQL database

## **Education**

---

### **Applied A.I Solutions Development certificate (Post Graduate)**

*George Brown College*, Toronto, ON

Sept 2022 – Aug 2023

Grade Point Average (GPA): **3.92**

- Highly skilled in utilizing a wide range of machine learning and deep learning models, leveraging tools such as Python and its libraries including Pandas, PyTorch, scikit-learn, TensorFlow, and YOLO. Demonstrated expertise in various applications, including image detection, Natural Language Processing (NLP), chatbot development, recommender systems, and image segmentation.

### **Bachelor of Science, Computer Science**

*University of California San Diego*, San Diego, CA

Sept 2020 – Jun 2022

Grade Point Average (GPA): **3.906 (Cum Laude Honors)**

- Computer security, specializing in identifying and mitigating vulnerabilities such as buffer overflows, side channel attacks, and cross-site request forgery. In Software Engineering, specializes in version control and test harnesses. Proficient in HTML, CSS, and JavaScript for developing interactive and user-friendly web applications. Database System excels in relational databases, optimization query languages, and schema design to ensure efficient data storage and retrieval.

### **Associate Degree, Mathematic | Associate Degree, Physics**

*Glendale Community College*, Glendale, CA

Sept 2015 - Jun 2020