Samuels Sun

North York, ON | (437) 868-0505

samuels.sy.sun@gmail.com | linkedin.com/in/samuels-sun| github.com/SikYinSun | samuelssun.netlify.app/

Summary

- Experienced full-stack developer adept at overcoming complex challenges and delivering tangible results
- Holds a Bachelor's degree in Computer Science and an Ontario Post-graduate Certificate in Applied Artificial Intelligence Solutions Development
- Knowledgeable in JavaScript, React.js, TypeScript, SQL, Node.js, Linux, Git, RESTful API, HTML and CSS
- Demonstrated aptitude as a fast learner, easily adapting to new technologies and methodologies to drive innovation and efficiency
- Utilizing diverse machine learning and deep learning models to craft cutting-edge solutions

Technical Skills

Languages:	JavaScript, TypeScript, HTML, CSS, Python, SQL, Java, C, C++, bash, Clojure
Frameworks/Tools:	React, Vue, Angular, Node.js, Express.js, Flask, Bootstrap, Tailwind CSS, REST API, Redux, JDBC, JSP, Git, JIRA, Jest, CI/CD, Agile
Platform/Database:	AWS, Azure, Docker, RDBMS, MySQL, PostgresQL and MongoDB, Linux

Professional Experience

Full Stack Developer, Iter Innovandi   Jul 2024 - Present

Montreal, Quebec

- Developed and enhanced a web application using the MERN stack with Redux for authentication and Tailwind CSS for styling
- Implemented JWT-based authentication to manage access to specific API calls
- Integrated Nodemailer to send emails when users submit the "Contact Us" form, with email notifications sent from the server
- Applied input validation for login and registration using express-validator, ensuring secure and accurate data handling
- Built an API to upload PDF files to Google Drive and store the generated link in the database using Axios for API requests

Full Stack Developer (Co-op), Gliese.AI   Jun 2023 – Sept 2023

Toronto, ON

- Designed and developed AI dental applications using a wide of frameworks and tools, including Python, OpenAI, Whisper, Botpress, Docker, AWS EC2
- Built responsive and interactive web user interface using React, Material-UI, and integrated with Chatbot to advance user experience
- Led a team of 6 in the development of the application with Agile methodology
- Fostering collaboration among team members and achieving project goals ahead of schedule and provided guidance to the team throughout the project
- Refined and applied database schema of relational and NoSQL databases such as MySQL and MongoDB

Project

"Hong Kong Canadians Hackathon"

Toronto, ON   March 2024

- Developed an e-commerce web app using React, JavaScript, Spring Boot and MSSQL to streamline operations and reduce human errors at a local food manufacturing company
- Utilized React Router to transition the application into a single-page application, enhancing user experience and performance
- Integrated REST APIs to facilitate seamless communication between the application and backend services
- Cooperated with designers, developers, and stakeholders to achieve project objectives and enhance overall user experience

"Drowsiness Detection"

George Brown College | Toronto, ON   Mar 2023 – May 2023

- Led the development of a web application that allows real-time analysis of user's facial expression through a 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 pairs 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 a quick-to-prepare recipe full-stack web application using HTML, CSS, and JavaScript
- Integrated unit tests have been added to the CI/CD pipeline using Jest and GitHub Actions, achieving a test coverage of 83%
- Conducted pair programming and code review to deliver high-quality solutions
- Collaborated in 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

Extra Curricular & Certifications

J.P. Morgan Software Engineering Virtual Experience on Forage   May 2024

- Set up a local dev environment by downloading the necessary files, tools and dependencies.
- Fixed broken files in the repository to make web application output correctly.
- Used JPMorgan Chase's open source library called Perspective to generate a live graph that displays a data feed in a clear and visually appealing way for traders to monitor.

Amazon Web Services   Apr 2024 – Apr 2027

AWS Certified Developer - Associate

Education

Applied A.I Solutions Development certificate (Post Graduate)

George Brown College, Toronto, ON   Sept 2022 – Aug 2023

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

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)**