Sik Yin(Samuels) Sun

Full Stack Developer
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Objective:

An ambitious computer science graduate with different project experience in software engineering, database, computer graphic, and computer architecture. Currently completing applied A.I solutions development program. A self-motivated learner with decision-making and problem-solving skills. Able to learn and adjust new skills to fit well in a team and have great communication skills. Envisioning a future, I aim to engineer cutting-edge applications that seamlessly blend technology and human interaction.

TECHNICAL SKILLS

- **Language:** C++ (3+ years), SQL (2+ years), C (1 year), Python (1 year), Java (3+ years), bash (2+ years) and Arm assembly (2+ years), Clojure
- **Web:** HTML (1 year), CSS (1 year), JavaScript (1 year), TypeScript, React
- **Data Management System:** MySQL, PostgreSQL and MongoDB
- **Data Visualization:** Tableau and PowerBi
- **Version Control System:** Git
- **Cloud technologies:** Azure, AWS
- **Web/Software Framework:** Flask and Docker
- **Tools:** VS Code, Anaconda, VS Studio, ModelSim, Quartus, MobaXterm, Node.js, SQL Server, Management Studio(SSMS), SSIS, SSAS

Academic Project

"Drowsiness Detection"

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

- ❖ Gathered a sample of data through our own efforts and supplemented it with data obtained from Kaggle. We used YOLOv8 for training the combined dataset.
- ❖ Employed two different solutions for deployment. The first solution involved using Python, Flask, and Docker for deployment, while the second solution utilized JavaScript and docker for deployment. We deploy it to AWS
- ❖ Structure the website, we utilized HTML and CSS to refine the appearance and layout of the page.

"No Time to Cook"

University of California San Diego | San Diego, CA   Sept 2021 – Dec 2021

- ❖ Create a quick-to-prepare student recipe for the web.
- ❖ Opted to engage in both front-end and back-end teams in our group of 10, which divides the team into those two categories.

- ❖ We acquired knowledge of HTML, CSS, and JavaScript while working on the project. We are utilizing a CI/CD pipeline and have imported several APIs for our project.

UCSD Database Simulator

University of California San Diego | San Diego, CA   March 2022 – July 2022
- ❖ Make a database that replicates UCSD classes, faculty, and students.
- ❖ To create the database's structure, two people in a ground used the ER model to decide the database.
- ❖ In order to connect to and interact with a basic web page, we also use Java Serve Pages. Making the database with PostgreSQL.

Education

Applied A.I Solutions Development certificate (Post Graduate)

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

Grade Point Average (GPA): 3.92
- o 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 – June 2022

Grade Point Average (GPA): 3.906 (Cum Laude Honors)
- o 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, test harnesses. Proficient in HTML, CSS, and JavaScript for developing interactive and user-friendly web application. 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 - June 2020