SEAN CHAN

Business & Financial Technology

My Contact

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Hard Skills

- Blockchain Development:
  - Solidity
  - Blockchain ledgers
  - Consensus algorithms
  - Smart contracts.
- Programming & Web Development
  - Python
  - HTML,CSS
  - Git Workflows
  - C#
  - Javascript, React,js, Rest APIs
  - Node.js, Express.js & Three.js(basic)
- Database Management: SQL and NoSQL systems.
- Frameworks & Libraries: TensorFlow and Keras.
- Data Visualization: Tableau Analytics expertise.
- AWS Cloud Infrastructure: Deploying instantce, managing hosts etc
- UX Design: Figma, Photoshop 2023

Development & Future Goals

Current Learning Endeavors (2023):
- Advancing in C#
- Financial management studies
- Rest APIs, C++
- Node.js and React.js.
- Expanding Fullstack Portfolio

Anticipated Focus (2024):
- Blockchain
- Gen AI and machine learning models
- NPL (Natural Processing Language)
- Expand and Strengthen coding portfolio

About Me

I'm an undergraduate specializing in business and financial technology, with a focus on blockchain and fintech applications. My participation in competitions has sharpened my leadership, teamwork, and innovation skills. Keen to expand my expertise, I'm delving into Generative AI and deep learning, actively pursuing courses on Udemy to aid this journey.

Education Background

Diploma in Business and Financial Technology, Year 2 (Graduating in 2025)
- Distinctions in:
  - Programming Essentials
  - Digital Business
  - Business Analytics Project

Certifications

AI for Industry - Literacy in AI:

- Make participants informed consumers of AI products and services.
- Equip learners with essential AI concepts.
- Provide foundational knowledge in the AI domain.

AWS Academy Cloud Foundations

- Mastery of core AWS services including EC2, S3, and RDS.
- Proficient in cloud financial optimization and AWS security measures.
- Hands-on experience in AWS deployment, storage, and networking solutions.
- Familiarity with best practices and cloud migration strategies.

NodeJS - The Complete Guide (MVC, REST APIs, GraphQL, Deno) - Udemy: Ongoing

- Deepening expertise in Node.js architecture.
- Designing MVC web applications.
- Crafting efficient REST and GraphQL APIs.
- Exploring Deno for secure JS/TS runtime.
- Applying skills through hands-on projects.

Code Projects Completed

Chocolate E-commerce Website

- Created a simple e-commerce website with a working checkout page utilizing HTML, CSS and Javascript.

Flask Python Project - Login function

- Created a Flask login program, which I made databases and CRUD functionalities.
- Also did sessions, cookies, SMTP functionalities and a simple chatbot using chatterbot for login

Python Algorithms Project

- Created a car web database which is enhanced with the fastest sorting functionalities for each dataset given
- also created a python game using pygame which utilised math to create movements, angles etc.

Machine Learning project - AI Tutor

- Created a machine learning algorithm utilizing tensorflow and keras to create an AI tutor platform

Ongoing projects

- C# project - Three.js sphere templates
- Fullstack project- Freelance project
- Solidity project- Blockchain NFT project

Learning & Networking

ChainDebrief Association:

- Gained insights into the latest trends and innovations in blockchain technology.
- Expanded professional network through active participation in discussions.

NYP Capstone Program:

- Applied academic knowledge in real-world volunteer events.
- Developed empathy and deeper understanding of societal challenges.

Fintech Festival 2022:

- Acquired firsthand knowledge of challenges and solutions in fintech.
- Expanded professional network with industry leaders and innovators.
- Identified current industry needs and future directions.

DBS Tech X Summit Event:

- Delved into the impact of generative AI on the financial sector.
- Garnered insights on talent demands and workforce changes.
- Networked with professionals in the tech and finance sectors.

Leadership & Service

06 Apr 2023 14 Apr 2023	**Assistant Student Organizer Freshmen Orientation**

- Played a key role in organizing and coordinating events for incoming freshmen.

18 Apr 2023 18 Aug 2023	**Module Representative (Semester 1)**

- Represented student interests and liaised between faculty and students for module-related matters.

06 Apr 2023 08 Apr 2023	**Freshmen Orientation**

- Assisted in various capacities for the orientation program.

06 Apr 2023 14 Apr 2023	**FMO Party - NYP LUX**

- Contributed to the organization and execution of the event.

18 Sep 2023 20 Sep 2023	**Mission X (Youth Corps Singapore)**

- Leadership role in speaking out during our pitching to mentors for commune funding.

16 Oct 2023 Ongoing	**Class Representative (Semester 2)**

- Demonstrated leadership and team coordination skills to maintain a productive environment.

Achievements

July 2023 Sep 2023	**Splash Awards 2023 (Finalist in Stage 2)**

- Developed a user-friendly interface and an AI-driven tutoring system.
- Integrated an AI prototype, utilizing TensorFlow and Keras
- Created using Figma and VS code.

May 2023 - June 2023	**Storage & AI Solution – Heartland Innovation Challenge 2023**

- Designed a tailored storage system for efficient product categorization.
- Pioneered a AI prototype allowing video submissions to analyze teeth health, offering automated referrals based on detected dental issues.
- Created prototype using VS code and Canvas

Jan 2023 - Mar 2023	**National AI Singapore Challenge 2023 (Top 20 Grand Finalist.)**

- Innovated a financial solution to track users' expenditures.
- Implemented a system to provide cashback based on spending, fostering financial literacy among users.