

Justin Chan

London, England

justnchxn@gmail.com | 07494973520 | [linkedin.com/in/justnchxn](https://www.linkedin.com/in/justnchxn)

SUMMARY

Motivated Cyber Security Analyst with hands-on Python development experience and a strong interest in AI modeling. Skilled in clean, efficient coding and applying machine learning techniques using libraries like TensorFlow and PyTorch. Well versed in Cyber Security Principles and a strong foundation in network security and risk assessment. Experienced in AI-driven and full-stack projects, with a focus on collaboration and continuous learning.

EDUCATION

King's College London

Bachelors of Science in Computer Science

Aug 2021 - Sep 2024

WORK EXPERIENCE

Internship at Sky

July 2022 - Aug 2023

Gained hands-on experience in full-stack software development by contributing to real-world projects in a collaborative team environment. Assisted in designing, developing, testing, and debugging software applications. Strengthened skills in Python, and worked with Git, SQL, and web frameworks. Developed a strong understanding of software development life cycles and best practices in clean, maintainable code.

Upwork

Nov 2024 - Feb 2025

Collaborated with clients to design and deploy a functional prototype of a Software-as-a-Service (SaaS) application using Python. Contributed to both front-end and back-end development, ensuring seamless integration and responsive user interfaces. Engaged in regular feedback sessions with clients to refine features and user experience. Followed Agile development principles to client's deadlines and expectations.

PROJECTS

Adversarial AI Agent Trainer In Python - Developed an environment using AI where agents learn to compete against each other through reinforcement learning with a reward system to encourage strategic decision-making. Wrote a research paper explaining the fundamentals of machine learning and reinforcement learning, with an in-depth analysis of the advanced mathematics behind neural networks and reinforcement learning.

Traffic Detection in Wireshark - Captured and analyzed live network traffic using Wireshark to identify security vulnerabilities such as unencrypted credentials and suspicious IP activity. Detected anomalies including potential malware communications and DNS tunneling patterns. Applied protocol filters and deep packet inspection to investigate traffic behaviour and assess network risk.

AI Art Music Generator In Java - Designed and implemented a Java application that generates AI-created artwork based on user-input music preferences. Mapped music genres, sub-genres, and emotional tones to visual elements like colour and style. Integrated algorithms that translate user inputs into aesthetic visual outputs.

Encryption Tool in Python - Developed a program to encrypt and decrypt messages using AES and RSA encryption algorithms. Implemented key generation, secure key storage, and message exchange protocols to simulate data protection mechanisms. Used Cryptography libraries to handle encryption operations, key pairs, and digital signatures.

SKILLS

Python, Java, C++, SQL, React, TypeScript, HTML, CSS, Figma, Git, Node.js, LaTeX, Cloud Computing (AWS), Problem Solving, Data Structures, Team Collaboration, Communications Skills, English (Native), Cantonese (Intermediate)