

Christian Denzel Iskandar

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About Me

A Software Engineering student that has absolute interest in Web Development, Data Engineering, and Cybersecurity. I am keen for learning opportunities that can enhance my skills by applying them to real-world problems.

Education

University of New South Wales (UNSW)

September 2021 - August 2025

Bachelor of Software Engineering (Honours)

- **Grade:** Weighted Average Mark 84 (Distinction)
- **Relevant Courses** (with High Distinction): Programming Fundamentals, Introduction to Engineering Design and Innovation, Database Systems, Requirements and Design Workshop, Computer Networks and Applications, Software Construction, Engineering Design and Professional Practice, Probability and Statistics, Extended Security Engineering

University of New South Wales Foundation (Uniprep)

October 2020 - July 2021

Physical Science Stream

- **Grade:** Grade Point Average 9.5/10

Projects

Dungeonmania

October 2022 - November 2022

- Object-Oriented Programming using Design Patterns, and refactored the existing codebase to adhere with principles.
- Tech Stack: Java.

ChurroFlow

February 2023 - May 2023

- Implemented invoice validation conforming to PEPPOL standards, and integrated other invoice APIs like creation to assemble an analytic-driven solution that aids SMEs to streamline invoicing and warehouse management.
- Tech Stack: Python, FastAPI, React.js, OpenAI, AWS Elasticbeanstalk, PostgreSQL.

Encrypted

September 2023 - November 2023

- An end-to-end encrypted chat web application, with secure account handling and storage by using JWTs.
- Tech Stack: TypeScript, Express.js, Next.js, Prisma, Socket.io.

Music Recommender System

October 2023 - November 2023

- Use a dataset from Spotify and LastFM to make a music recommender system by combining both supervised and unsupervised methods: Content-based, Collaborative Filtering, Hybrid Switching, Neural Collaborative Filtering.
- Tech Stack: Python (DataFrame, NumPy, Matplotlib)

InsightTrader

February 2024 - May 2024

- Sentiment analysis for financial news articles which comprises microservices (collection, retrieval, etc.) to build an application that generates stock recommendation, visualise data, provide insights, and tracks the user's portfolio.
- Tech Stack: AWS (Lambda, S3, DynamoDB, Cognito, API Gateway, Amplify, CloudWatch), Python, Next.js, TailwindCSS

Extra-Curriculars

UNSW Indonesian Night Market

Sydney, Australia

Volunteering Subcommittee

December 2021 - June 2022, December 2023 - June 2024

- Recruited over 90 volunteers for all divisions.
- Liaised with directors of other divisions and delegated tasks for the volunteers.
- Coordinated briefing sessions for the volunteers prior to the event.

Prizes and Awards

- UNSW Engineering Dean's List 2022
- Macquarie Prize 1st Place in SENG2021
- UNSW Global Academic Award (PUCA1027)

Skills

- **Languages:** English (Native), Indonesian (Native), Mandarin Chinese (Basic)
- **Programming Languages:** C, MIPS, JavaScript, TypeScript, Python, Java, SQL, Swift, Shell, Dafny
- **Web Development:** Express.js, Jest, FastAPI, Pytest, React.js, Next.js, HTML, CSS, Tailwind, PostgreSQL, Prisma, Socket.io, AWS, Three.js
- **Technical:** Apache Hadoop, Apache Spark, Socket Programming, Data Structures and Algorithms, Machine Learning
- **Miscellaneous:** Computer Networks, Operating Systems, Security Engineering

Certifications

- **Codecademy:** Learn Swift, Web Foundations, Improved Styling with CSS, Building Interactive Websites