

Lewis Krishnamurti

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EDUCATION

UNIVERSITY OF SYDNEY

BACHELOR OF ADVANCED COMPUTING (HONOURS)

Graduating Dec 2022 | Sydney, NSW

WAM: 81.3

Activities:

- CS Society
- ACM ICPC South Pacific Divisional Finals

Related Coursework:

- Data & Information Management (86)
- Data Structures & Algorithms (86)
- Algorithm Design (83)
- Software Construction & Design 2 (82)
- Agile Software Development Practices (79)

AUCKLAND INTERNATIONAL COLLEGE

Grad. 2018 | Auckland, New Zealand | IB 38

SKILLS

LANGUAGES

Proficient:

Java • Python

Familiar:

SQL • C • \LaTeX

Learning:

JavaScript • CSS • React

TECHNOLOGIES

Gradle • JUnit • Git • Linux • Jenkins • JavaFX • Three.js

CERTIFICATIONS

AI 900 Azure AI Fundamentals (17/2/21)

ABOUT ME

SKILLS

Problem Solving • Focus • Fast Learner

INTERESTS

Cryptocurrencies • Cyber Security • Artificial Intelligence

HOBBIES

Trombone • Cooking • Table Tennis

PROJECTS

GEODESIC DOME | HEROKU APP

Aug 2021 - Present

- A Python library and visualisation of a geodesic dome data structure built for a university capstone group project.
- Personally created the visualisation component using JavaScript and Three.js.
- Created a Flask backend API to interact with the Python library in order to update the visualisation and allow for interactivity.
- Deployed the visualisation as a web application to Heroku.
- Followed the Extreme Programming Agile framework.

DIGITAL COACHING WEBSITE | HEROKU APP

Aug 2021 - Present

- A website built with Node.js, Express and React for a startup coaching company as part of a university capstone project.
- Created frontend components with React and Material UI.
- Integrated the Calendly API to provide scheduling functionality for coaching sessions.
- Created backend API endpoints for updating user details and passwords.
- Assigned the tester role of the Extreme Programming framework.

PERSONAL WEBSITE | LEWISKRISHNAMURTI.ME

Aug 2021 - Present

- A personal website built with GatsbyJS and React.
- Created real-time animated visualisations with Three.js and React Three Fiber.

CRYPTOVIEWER | GITHUB

May 2021 - Jun 2021

- A JavaFX application for viewing information on cryptocurrencies.
- Implemented a conversion feature to convert between crypto and fiat currencies.
- Leverages the CoinMarketCap and Imgur APIs.
- Created an SQLite database for local caching of data.
- Implemented concurrency to ensure the application remains responsive while fetching data.

VENDING MACHINE | GITHUB

Aug 2020 - Sep 2020

- A mimic vending machine application programmed in Java following Agile methodologies as a university group project.
- Followed the Scrum framework, employed Agile practices and used CI/CD technologies.
- Personally set up and hosted a Jenkins server, utilizing GitHub webhooks for automated building and testing with Gradle and JUnit.
- Personally set up and interfaced with an SQLite database via JDBC for storing application data.