

RIZ MANTER

P E N U L T I M A T E
Y E A R S T U D E N T



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rizmanter11.github.io/rizmanter/



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PROFESSIONAL SUMMARY

I am a current Computer Science and Commerce student at UNSW graduating at the end of 2022. Most of my programming experience lies with C, Java, Python and Javascript. Although I have engaged with databases, networks, OO design and functional programming, I am always keen to step outside my comfort zone.

EXPERIENCE

JP Morgan Virtual Internship Experience Program
Dec 2019 - Jan 2020

Participated in the open access JP Morgan Virtual Internship Experience Program with Forage.

Tasks Completed Include:

- Creating an interface using HTML/CSS and Python with stock price data feed and set up a system for analysis of data.
- Implementing the Perspective open source code in preparation for data visualisation.
- Increasing convenience through displaying data visually through the Perspective software.

EXTRACURRICULARS

CSE Society Media Subcommittee Member
Apr 2019 - Dec 2019

- Supported the executive leadership and subcommittee directors in creating and maintaining media content in the form of videos, podcasts, publications and articles.
- Helped conceive and develop a website in collaboration with the Software Projects subcommittee to collate all of our content into one place.

CSE Society Hackathon lite
2020

- Designed and implemented website to autonomously allow interns and work integrated learning participants to upload work, for companies to review and check progress in response to the COVID restrictions.
- Assisted in the implementation of the back-end using Python, Flask API and React to store authentication, messaging and review data.

ACADEMIC BACKGROUND

University of New South Wales (UNSW)

B. Computer Science & B. Commerce Jan 2019 - present

Business Economics and Computer Science Major

- Programming Coursework: OO Design & Programming, Algorithms and Programming Techniques, Data Structures, AI, Database Systems.
- Commerce Coursework: Intro to Business Databases, Game Theory, Managing Organisations and People, Business Finance.

TECHNICAL & PROFESSIONAL SKILLS

- Java, C/C++, Python, MIPS, React
- Linux, Windows, Git
- Oracle SQL, HTML/CSS, Excel
- Communication, Leadership, Conflict Management

PROJECTS

Personal Website

HTML, CSS

Designed and developed a single page HTML and CSS website to showcase my personal projects and blog.
(<https://rizmanter11.github.io/rizmanter/>)

Roman Civilisation Game

Java, JavaFX

- Implemented a Risk style video game using Java and JavaFX that applied a turn-based military/economic strategy game that allowed players to invade and attack virtual provinces.
- Engaged in agile processes to create a dynamic backend and interface that adapts to the players moves and visualises it in real time.

Sudoku Solver

Python, Pygame

- Implemented a backtracking algorithm in Python that visually solves or lets you play a sudoku game.
- Integrated a GUI using pygame to graphically implement the solver.