ARIADNE **VENTURA**

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Highly self-driven Software Engineering student seeking a full- time internship position in full-stack development as part of my university program. Searching to leverage my skills within a team-based environment, where I can partake in the development of software solutions and grow my professional and technical skills accordingly.

HIGH SCHOOL EMPLOYMENT

NOV 2018 – FEB 2020
CREW MEMBER, MCDONALDS

- Processed POS transactions including cash/card purchases and refunds.
- Worked as a barista in McCafé and cashier at the front counter
- Received "Worker of the Month" in March of 2019

EDUCATION

FEB 2015 – NOV 2020
HIGHSCHOOL DIPLOMA, ACADEMY OF MARY IMMACULATE

- Subjects completed: methods, further, chemistry, biology, Italian and English
- Received 'Certificate of Excellence: Maths' in 2015, 2016, 2017, 2018, 2019

FEB 2021 – NOV 2024
BACHELOR OF SOFTWARE ENGINEERING, RMIT

Recently completed second year with a GPA of 3.4. Main software creations so far:

- Programmed an interactive website for accessing information regarding COVID-19 in various states and countries. I focused on both the backend API and the front-end design of the site. I used **SQL** for the COVID-19 databases and **Java** to integrate them into the website. The front-end design consisted of using both **HTML** and **CSS**.
  High Distinction

- Programmed a village generator in Minecraft with **MCPi** which would randomise the number of houses for a village and where those houses would spawn. I focused on the randomisation of the houses using **Python** to control the size of the houses, size of the rooms and furniture in those rooms. I also implemented the function which controlled the materials that would be used, depending on which biome the village was spawned.
  High Distinction

- Implemented a path planning algorithm with **C++** to allow a robot to navigate between two points within a 2D environment (with obstacles). The focus was on pointers and dynamic memory management.
  Distinction

- Programmed a text-based **C++** program of the board game Scrabble using ADTs, linked lists, pointers, exception handling and dynamic memory management. I focused on various ADTS, the randomisation of the tiles which would be distributed, invalid inputs, colour enhancements and multiplayer which supports 2-4 players.
  High Distinction

- Programmed a Telemedicine app, in an **Agile** based group environment which included **sprints** every fortnight for the duration of the semester. The app allows for the booking of appointments between doctors and patients, profiles of doctors/patients and instant messaging between the two. I was responsible for the user microservice, which included the backend for patients and doctors, CRUD development and security to ensure the users are only able to access what they would be able to access in a real life environment. The backend was written in **Java**, and I had 100% testing coverage using **JUnit5** testing framework with over 100-unit tests in total.
  High Distinction

EXPERIENCE

FEB 2023 – CURRENT
INTERN SOFTWARE DEVELOPER, LEIDOS

- Will be interning in 2023, I am super excited!

LANGUAGES/SKILLS

- HTML/CSS
- C++
- Java
- Rust
- Kotlin
- Python

- React
- Typescript
- Javascript
- SQL
- Git
- Linux

REFEREES

Monisha Viswanathan, RMIT Workshop Tutor

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