# MADDI FITZMAURICE

Caulfield North, VIC | maddi.fitzmaurice@gmail.com | LinkedIn | Github | Portfolio

## SOFTWARE PROJECTS

### Lead Programmer (Team - 11)
*'Bound By A Dying Star' (University Capstone Project - PAX Australia)*

**Released 2024 Unity Engine C#**

- Implemented a hybrid event-driven / layered architecture for modular systems
- Maintained target FPS performance for PAX machines by teaching and enforcing good coding and Unity practices
- Championed Agile processes with the Producer by using Kanban tool TeamHood and Google Sheets
- Programmed a dynamic single screen fixed camera system with co-op controller support
- Developed interaction and puzzle system frameworks for designers
- Created custom character movement to compliment both the fixed camera system and cloth physics with Vector Math and GeometryUtility Libraries

### Software Developer (Team - 4)
*'Relaxing Koala' Restaurant System (University Project)*

**Completed 2024 Windows Forms C#**

- Collaborated to design and develop a layered architecture inspired by the springboot framework
- Programmed UI, interfaces, and state stack machine
- Utilised customer case study to develop software features using functional requirements and quality requirements

## EDUCATION

### Bachelor Of Computer Science
*Swinburne University*

**Feb 2022 - Nov 2024**

- Grade Point Average (GPA): 3.417 (4 point scale)
- Goldsmith Family Women in STEM Scholarship Recipient

### CS50 Introduction to Courses
*CS50x Harvard*

**2020 - Ongoing**

- Introduction to Computer Science (Completed 2020)
- Introduction to Game Development (Completed 2022)
- Web Programming with Python and JavaScript (Ongoing)

### Bachelor Of Media (Screen and Sound Production) with Distinction
*University of New South Wales*

**Feb 2015 - Nov 2019**

- Learned and developed C++ skills during two years of Mechatronic Engineering studies before transferring in 2018 to Media

## WORK EXPERIENCE & TRANSFERABLE SKILLS

### eCommerce & Digital Marketing Manager
*Rundles Cronulla (Women's Fashion Boutique)*

**Jul 2020 – Jan 2022**

- Managed the backend of WordPress
- Analysed website issues, and reported or rectified them
- Adapted to the challenges of social media's fluctuating environments when developing marketing strategies
- Oversaw and collaborated with an in-house team responsible for the store's digital media screen, email campaigns, and social media accounts
- Communicated with business owner, in-store manager, external marketing agency, and website host to promote various business activities

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**Inventory Database Officer**                                    **Jan 2020 - Jun 2020**
*Rundles Cronulla (Women's Fashion Boutique)*
- Learned and navigated new eCommerce technologies such as VendPOS and Ecwid
- Investigated and rectified data discrepancies between Vend and Ecwid to ensure stock level accuracy

**Modelling Photographer & Image Editor**                         **Dec 2019 - Jun 2020**
*Rundles Cronulla (Women's Fashion Boutique)*
- Colour-corrected raw images to ensure accurate representations of stock on eCommerce website and marketing materials

**Sales Assistant**                                               **Jan 2016 - Dec 2019**
*Rundles Cronulla (Women's Fashion Boutique)*
- Ensured cash float and banking reportings were accurate between Vend POS and EFTPOS machine

## SKILLS & TOOLS

- Github
- Visual Studio
- Jenkins

- Confluence, Notion
- Trello, Teamhood, Slack
- Docker

- C#, Python
- HTML, CSS
- C++