

# Jesse Hoppo

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## EDUCATION

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**BACHELOR OF SOFTWARE Engineering** | University of Adelaide  
2026

- Major in Smart technologies.
- Relevant Coursework: Data Structures, Web & Database, Computer systems, Artificial Intelligence.

## EXPERIENCE

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**BOTTLING OPERATOR** | Acclaimed Workforce  
2023 - Present

- Conducted wine unloading of international containers up to and exceeding costs of **\$1 million**.
- Evaluated quality and production **processes**, introducing new procedures to **decrease errors by over 30%**.
- **Trained 10+** new hires on general production duties and company procedures including machine operation, depot requirements, palletizing duties and health & safety standards.

## PERSONAL PROJECTS

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**Group Project** | Medical System Prototype | C++, QT, Git, MVC, Make, Ubuntu  
2024 - 2024

- **Lead documentation and design** decisions in a group of 4 to develop a **C++ GUI** application.
- Managed software requirements and deliverables through **GIT and JIRA**. Ensuring collaboration and communication between members.
- Researched and documented system requirements, leveraging the **MVC Archetype** to provide a thorough software as a starting point for other members.

**Group Project** | Full Stack Web Application | AJAX, Vue, REST, Node, Docker  
2024 - 2024

- Integrated a robust **REST API** for various **functional requirements**, including user sign-up through social media, weekly newsletter updates, and social media post integration.
- Incorporated **asynchronous** behaviour using AJAX, Vue and HTTP requests to **reduce load times by over 60%** and increase user engagement.
- Utilized **MySQL** to create a user database, providing account management, user auth and more.

**Solo Project** | DracoX | Python, API, Discord  
2025 - Present

- **Designed** a Discord bot with peer-client communication, supporting connection speeds **below 100ms**.
- Implemented **command systems** and deployed bot online gaining **20+ daily users**.
- **Refactored** code into modular sections to support further development and ease production.

## EXTRA CURRICULAR ACTIVITIES

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- Clubs: Computer Science Club, MESS.
- Extras: Engineers Without Borders Challenge (EWB).