

# DHRUV JOBANPUTRA

Perth, Australia

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## Education

### University of Western Australia

Feb 2019 – Dec 2024

*Master of Professional Engineering with Distinction (Software Specialisation)*

Perth, AU

*First Class Honours in Computer Science and Software Engineering*

WAM: 82.36%, GPA: 6.73/7

## Experience

### Canva

Dec 2023 – Feb 2024

*Software Engineer Intern*

Perth, AU

- Utilised TypeScript and MobX to develop features for an accessibility design checker, empowering users to enhance the accessibility of their designs in compliance with accessibility standards such as WCAG.
- Ensured code quality and robustness through comprehensive Jest unit tests, resulting in reliable features.
- Reduced the volume of help tickets by implementing a tool that identifies and addresses accessibility issues in user designs, improving the overall user experience.
- Maintained comprehensive documentation, to facilitate understanding, collaboration and future maintenance by team members.

### Coders for Causes

Jun 2023 – Aug 2023

*Volunteer Software Engineer*

Perth, AU

- Fullstack web development using Django and Vue.js for the not-for-profit Community Spirit Foundation.
- Designed and implemented crucial backend infrastructure, integrating it seamlessly with the frontend to enable login and perform CRUD operations for various applications.
- Collaborated with a team to develop various features, ensuring user experience and efficient functionality.

### Visagio

May 2022 – Mar 2023

*Technology Consultant Intern*

Perth, AU

- Developed features in a web tool with Angular and Typescript to streamline manual processes, leading to a 15% increase in efficiency.
- Led a project using Python and Data Visualisation to streamline processes and achieve a 30% increase in efficiency.
- Implemented new APIs and fetched data with C#, SQL and .NET and managed the DevOps CI/CD cycle using tools such as Azure.

### University of Western Australia

Mar 2022 – Sep 2023

*Tutor and Research Assistant*

Perth, AU

- Published an article in EUVIP 2023.
- Created a deep learning model with Python and Keras to diagnose ear diseases from otoscopic images.
- Tutored and assisted a class of 15 University students in CITS1001 Software Engineering with Java.

### Soar.Earth

Aug 2020 – Jul 2022

*Software Engineer Intern*

Perth, AU

- Enhanced the UI of the Soar.Earth platform through React, Redux, Typescript, HTML and CSS contributing to a 10x increase in user registrations to 50,000.
- Performed automated testing using the React Testing Library and Cypress.

## Projects

### Australian Rover Challenge | ROS 2, C++, Python

Apr 2024 – Present

- Working on the Telemetry team to represent UWA in the Australian Rover Challenge 2025

### Teaching and Quiz Website | Flask, Python, JavaScript, Git

Apr 2021 – May 2021

- Led a university web project team of 4 to build a full-stack Python education website. Admins can create new content and quizzes and gives users the ability to attempt the quiz and store the quiz results for tracking

### Particle Visualiser | Unity, C#, Git

Jul 2021 – Oct 2021

- Developed a simulation as a final semester project with a team of 6, featuring a custom-built physics engine to visualize chemical particle interactions. Achieved a score of 100% from client.

## Technical Skills

**Languages:** Python, JavaScript/TypeScript, C++, Java, SQL, R, LaTeX

**Frameworks:** React, Angular, Vue, Django, Flask, Jupyter

**Technologies:** Git, AWS, Unity, Android Studio