

# Swoyen Suwal

📍 Clovelly Park, South Australia, Australia   ✉ swoyenrajsinghsuwal@gmail.com   ☎ 0424076095   🌐 in/swoyen

---

## SUMMARY

A passionate and self-motivated recent software engineering graduate with strong problem-solving and technical skills. Strong knowledge of software development from practical internships and software jobs.

---

## EXPERIENCE

### IT Analyst

Supreme Kitchens

May 2018 – November 2018, Pooraka, South Australia

- Optimized cabinet building process in CAD software by automating tasks through scripts reducing the time taken for designing cabinets.
- Communicated with stakeholders to transition to new software, integrating services in the cabinet manufacturing process.
- Gathered and Analysed System Requirements and analyzed bottlenecks from legacy software improving efficiency in the new software.

### Mixed Reality Lab Developer – Internship

CSIRO Data61

November 2018 – March 2019, Clayton, Victoria

- Implemented novel visualization with point clouds using HoloLens in the Mixed Reality Lab demonstrating spatial alignment.
- Increased interoperability of CSIRO's Workspace platform by integrating HoloLens with the creation of a software plugin.
- Developed software for visualizing the 3D data scanned from a Kinect in the HoloLens.

### Research Assistant

University of South Australia

March 2020 – December 2020, Adelaide, Australia

- Implemented a Virtual Reality System for Genomic Data Visualisation in Unity.
- Upgraded the existing system to include more interaction techniques.
- Researched existing 2d Genomic Data Visualisation Systems.

### Research Assistant

University of South Australia

December 2020 – January 2021, Adelaide, South Australia

- Implement a Virtual Reality Navigation System.
- Develop a 3d Geometry Modelling Tool.
- Implement Navigation Techniques for Virtual Reality.

---

## PROJECTS

### AR Extension To HEVS | Honours Project | March 2019 – November 2019

- Added Augmented Reality (AR) Support to HEVS: a display framework supporting collaborative, in collaboration with UNSW.
- Managed the project to complete the project milestones by prioritising tasks and minimizing risks.
- Created a working demo using the added AR functionality to demonstrate the capabilities of combining AR with physical displays.

---

## EDUCATION

### Bachelor of Software Engineering with Honours

University of South Australia, Adelaide • South Australia • 2019 • First Class Honours

---

## INVOLVEMENT

### Study Support

University of South Australia, Adelaide • Study Help PALS • July 2018 – November 2018

- Provided friendly, informal study support to students at drop-in sessions on the campus.

### Student Mentor

University of South Australia, Adelaide • UniMentor • February 2019 – June 2019

- Provided mentorship to new UniSA students assisting them with their university transitions by providing guidance.

---

## SKILLS

Technical Skills : Unity, C#, Java, Python, 3d-modelling.

Soft Skills: Analytical, Detail-oriented, Team-player, Communication, Quick-learner.