




## SOCIAL

 [joshua-sutton.com](https://joshua-sutton.com)

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## EDUCATION

### University of Wollongong

Bachelor of Engineering  
(Electrical) (Honours)



UNIVERSITY  
OF WOLLONGONG  
AUSTRALIA

Bachelor of Computer  
Science

2017-2022

### Chevalier College

Bowral, NSW

2011-2016



## SKILLS

Electrical Engineering



Embedded Systems Firmware



Video Game Programming



Teamwork



Python



C++



# JOSHUA SUTTON

Embedded Device Engineer & Software Programmer



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[joshua@joshua-sutton.com](mailto:joshua@joshua-sutton.com)



NSW, Australia

## PROFILE

Goal-oriented with years of experience in embedded systems programming, software engineering, and video game development.

I find myself driven by a strong thirst for knowledge, and desire to explore new and exciting ideas to apply in a professional setting, and to enhance the growth of an organisation.

## WORK EXPERIENCE

### EMBEDDED SOFTWARE ENGINEER

University of Queensland / Brisbane, QLD



- Developed firmware for a bipedal robot being created by the Robotics Design Lab at the University of Queensland.

- Developed a desktop application for wireless telemetry and control of robotics systems.



- Performed code refactoring and source code review.

- Undertook diagnostics and issue remediation of several aspects relating to the design of hardware prototypes.

### INTERACTIVE MEDIA DEVELOPER

TalonFour Cyber Labs / Adelaide, SA



- Utilised Unity to develop 3D, interactive training materials, including the use of advanced VR/AR technologies.

- Developed customer shaders using the OpenGL Shading Language to implement custom lighting in interactive scenes.



- Created 3D assets in Blender for use in training materials.

- Implemented and rolled out artificial intelligence assisted path finding.