

# Winfried Holzapfel

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- EXPERIENCE**
- Software Developer** *January 2019 - Present*  
@ Verbotics Wollongong, Australia
- Implementation of a back-end for clustered remote processing deployed on AWS Lambda and Step Functions
  - Full process creation of a Computer Aided Design (CAD) editor utilising Test Driven Development (TDD)
  - Creating custom Docker images to target customer and cloud deployment
  - 3D and C++ (Qt) development using visualisation and mathematics libraries
- Project Manager & Developer** *January 2019 - November 2019*  
@ UOW *EIS Major Project (for client NubeIO)* Wollongong, Australia
- With a team, created front-end and back-end for a computer vision based distributed monitoring system for *HVAC System Automation* named BeeBit
  - Worked alongside a team using the Agile methodology. Acted as the project lead and facilitating meetings directly with the client
  - Allocated work between individuals, including by using Kanban/Scrum
  - Utilised industry methodology, performing regular code reviews
- Bachelor of Computer Science @ UOW** *January 2017 - December 2019*
- Technical Assistant** *June 2016 - January 2017*  
@ Charles Sturt University, *School of Agriculture* Wagga Wagga, Australia
- Reprogrammed old experimental software to run on a modern Arduino system

*References provided on request*

## PRINCIPAL SKILLS

### Languages & Software

- C/C++, Java, Python, Shell, JavaScript/HTML/CSS
- VCS (Git and Mercurial) and Continuous Integration (CI) + Docker
- Windows, MacOS and Linux experience releasing *multi-platform* software
- Design software (Photoshop, Inkscape and Blender+)

### Web Technologies

- NoSQL (DynamoDB and MongoDB) and RDB (MySQL and PostgreSQL) databases
- Infrastructure as Code (IaC) technologies such as *Terraform* and *AWS CDK* (at *Verbotics*)
- AWS, Azure and Google Cloud

- EDUCATION**
- University of Wollongong* 2017-2019  
**Bachelor of Computer Science**; Software Engineering  
Distinction Average [*WAM: 81*] | EIS Dean's Merit List of 2019
- HSC - The Riverina Anglican College* 2015  
3-Unit Maths | Physics | Chemistry | Software Design and Development

- AWARDS**
- Westpac Bicentennial Foundation Scholarship @ **UOW** 2017-2019  
Scholarship awarded by the *Westpac Bicentennial Foundation* for past achievement.  
Total award: \$25000 over up to 5 Years