Daniel **Fitzmaurice**

Email: **dfitz360@gmail.com**
Website: **sanchez.github.io**
GitHub: **github.com/sanchez**
Phone: **0498119849**

I am currently a Software Developer at Aurecon. My main development focuses are functional languages (FSharp, Typescript) and using the Forge Autodesk platform to help bring Engineers to the digital world. I completed a degree in Engineering at The University of Queensland majoring in Software with Honours, my thesis project specialized in SmartHomes and developing a mobile and web application for controlling SmartHomes.

Technical Skills

- DotNet (FSharp, CSharp)
- JavaScript/TypeScript
- React/React Native
- HTML/CSS/SASS
- Python
- LaTeX
- Git/GitFlow
- AVR/Arduino
- Forge Autodesk
- Linux
- C/C++

Employment History

Aurecon   November 2018 – Now

Utilized the Forge Autodesk platform to develop dashboard and web based tools to bring Engineering tools to the cloud. Most development is done using a combination of DotNet (FSharp and CSharp) and React (TypeScript) Single Page Applications.

Tyeware   July, December 2017, January 2018

Worked on bug fixes and feature request for currently deployed project, as well as development on unreleased projects. Used C# and Visual Basic backends to deliver websites tailored to a range of browsers and browser versions.

Australian Association for Information Systems   June 2018 – January 2019

Worked on converting an existing website to a new theme using Wordpress and added a membership payment system. Used Wordpress for main website, then added PHP to interact with an online payment management library.

Macadamia Nuts Trading   August 2018 – January 2019

Create a system for buying and selling Macadamia Nuts using distributed technology and the Ethereum blockchain. Used a complete distributed approach and modern web technologies (ReactJS and Web3).

GroupCCTV Trailer Management System   November 2014 – December 2014

Assisted in the final stages of development and implementation of a remote CCTV trailer management system. Used Python server backend and communicated with an Arduino.

University of Queensland Tutoring   August 2018 – November 2019

Tutoring Operating Systems Architecture at University of Queensland.

Studio Pierrot Website   August 2014 – October 2014

Team member in a group project, to design and create a website for a local drama studio (Studio Pierrot). Used CSS and JS animations to create a parallax scrolling effect.

Education

University of Queensland   2015 – July 2019
Academic Achievements

Rural Scholarship 2018   Emmanuel College Scholarship awarded in 2018

Outstanding Academic   Emmanuel College Scholarship awarded in 2018
Achievement in 2017

St Patrick's College Mackay   2013 – 2014
Academic Achievements

Rats of Tobruk   Awarded for outstanding dedication to the college community

Adrian Carl Smith Memorial Awarded for demonstrating outstanding integrity, a friendly nature and a great passion
Award   for Information Technology, Aerospace and Business

Certifications and Training

CPR   February 2018
First Aid   February 2016
Mental Health First Aid   April 2017
Fire Safety   February 2018
Blue Card   2015 – 2018

Volunteer Placements

St Patrick's College Lighting and Sound   February – November 2014
Robocup Junior Queensland Championship   August 2015, 2016, 2017
Emmanuel College's Annual Musical   August 2015, 2016, 2017
Emmanuel College's Information Technology Support   February 2016 – December 2016
Emmanuel International Rugby 7s Media Director IT   May – September 2016
Emmanuel College Ambassador Program   July 2016
Emmanuel College Residential Assistant   February 2017 – November 2018

Work Experience Placement

CQ Manufacturing Christmas Lights   November, December 2011 – 2017

Assisted and developed synchronized lighting and sound effects for a major Christmas light display which resulted
massive crowds and numerous features on news mediums.