

# Eric Buck

Electrical and Electronic Engineer

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## WORK EXPERIENCE

### **PowerPlus-Energy, Melbourne — *Production Engineer***

MARCH 2019 - OCTOBER 2020

- Design and optimisation of production protocols.
- Routine testing and maintenance.
- Diagnostics and repair of faulty products and equipment.
- Ensured communication between sales, production, and engineering departments.
- Product design. .

### **Biomedical Solutions, Melbourne — *Biomedical Engineer***

JANUARY 2019 - JANUARY 2020

- Safety and performance verification of biomedical/x-ray equipment, medical gas systems, and sterilisation equipment in accordance with NATA and AS/NZ 3551.
- Repair of biomedical/x-ray equipment.
- Communication with staff on-site to identify areas of improvement.

### **Google, University of Western Australia — *Ambassador***

JANUARY 2014 - JANUARY 2015

- Hosted technical workshops for the student body regarding object Google Go programming language, databases as a service, and various other google services.
- Liaison between UWA student body and Google staff in Sydney.

### **Einsteins Australia, Perth — *Presenter***

JANUARY 2014 - JANUARY 2015

- Ran my own kids' party business through the Einsteins Australia franchise.
- Hosting parties and events for children mixing fun and science.
- Client procurement, marketing and finance management.

## SKILLS

Working in a team  
Low-voltage electronics  
IoT devices and design  
Production processes  
Test engineering  
Software design  
Data transmission  
Object oriented programming  
Typing speed: 113 wpm

## SOFTWARE & LANGUAGES

Office Suite  
Python  
Swift  
Git/Github  
Javascript  
Solidworks  
CLIs

## EDUCATION

### **University of Western Australia— *Master of Engineering***

MARCH 2016 - OCTOBER 2018

GPA: 5.2

### **University of Western Australia— *Bachelor of Science***

MARCH 2013 - OCTOBER 2015

Double major in Electrical and Mechanical Engineering Science. GPA: 5.8

### **All Saints' College— *WACE Certificate***

MARCH 2010 - OCTOBER 2012

ATAR: 98.15

## PROJECTS

### **Smart Composting System — *PhysioForAll***

OCTOBER 2020 - DECEMBER 2020

Designed and implemented an automated waste management/data collection system for PhysioForAll equine therapy centre.

### **Remote Survival Mobile App — *UWA***

FEBRUARY 2017 - SEPTEMBER 2017

Design and implementation of an iOS application with the primary use case of locating mobile reception towers when offline.

### **Sleep Data Monitoring and Analysis — *Snore No More***

AUGUST 2017 - SEPTEMBER 2017

Design and implementation of a data storage and analysis system to monitor and analyse heart rate, blood oxygen, movement and noise data.

### **Off-Grid Power Generation System — *Jacobs***

MARCH 2017 - JUNE 2017

UWA affiliated project to design schematics and viability reports of an off-grid power generation system for Jacobs.

## REFERENCES

**Simon Chan** -Powerplus-Energy  
Technical Director

**Matt Jones** -Biomedical Solutions  
CEO

**Farid Boussaid** -UWA  
Head of Electrical Engineering

**Christopher Pantin** -Snore No More  
Founder