

Electronics Engineer | Automation

Master in Renewable Energies

Cybersecurity & Networking

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Profile

Enthusiastic, responsible and reliable professional with extensive experience in electronic engineering, industrial automation, solar energy, and networking. I have recently completed additional studies in Cybersecurity.

In addition to my technical competence, my diverse and solid professional experience and my extensive academic training, I possess excellent communication and interpersonal skills that allow me to adapt to challenging situations and work well both in a team and on my own initiative.

Key Skills

- Creativity and Initiative
- Complex problem-solving
- Effective communication
- Analytical thinking
- Adaptability and Flexibility
- Teamwork and Collaboration
- Effective time management
- Solar energy applications
- Automation with microcontrollers
- Industrial automation with PLCs
- Robotics and HMIs
- Networking: design and configuration

Education & Qualifications

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|---------------------------------------------------------------------------------------------------------------|-----------|--------------------|
| RMIT UNIVERSITY | Australia | 1-year full time |
| • Certificate IV in Cybersecurity | | |
| THE UNIVERSITY OF MELBOURNE | Australia | 2 years full time |
| • Master of Environment, Energy Studies | | |
| AUTONOMOUS UNIVERSITY OF MADRID | Spain | 6 months full time |
| • Master in Energies for the Future | | |
| ARMY POLYTECHNIC SCHOOL | Ecuador | 5 years full time |
| • Bachelor's degree, Major in Electrical Engineering (Validated by the OQU – Victorian Government) | | |
| GNERI - INSTITUTE | China | 3 months in-person |
| • Training course in solar energy applications | | |
| NITT - INSTITUTE | India | 3 months in-person |
| • Training course in Information Technologies | | |

Certifications

- **AWS Academy Cloud Foundations** – AWS Academy
- **CCNA2: Switching, Routing and Wireless Essentials** – Cisco Network Academy
- **CCNA1: Introduction to Networks** – Cisco Network Academy

Relevant Professional Experience

Gloria Milk Factory Quito-Ecuador 2 years

Industrial Maintenance Supervisor

- Responsible for planning preventive maintenance and performing corrective maintenance when required.
- Organising teamwork schedules and shifts.
- Managing the ticketing system for priorities and emergencies.

National Secretariat of Higher Education of Ecuador. Quito-Ecuador 6.5 years

Electronics Engineer – Expert in Industrial Automation and Control

- Full time tertiary technical teacher, specialising in automation and control.
- Class/lab preparation and teaching, specialised in subjects such as: Robotics, Microcontrollers, Programmable Logic Controllers (PLCs) and Industrial Automation.
- In charge of the robotics lab, implementing tasks to keep the equipment in the best performance.
- Tutoring and guiding students with thesis projects.
- Accompanying students in the process of internships, coordinating with supervisors at industries, and mentoring students in real-world industry projects.

Achievements:

- Member for 2 consecutive years of the highest academic council; elected democratically by more than 100 colleagues. Participating in very important institutional decision-making.
- Successfully led multiple teams of students in completing internships and thesis projects, mentoring and guiding them before, during and after the process.

Scalesia Foundation – Tomas De Berlanga School Galapagos Islands 2 years

IT support and Computer Science Teacher

- Managed and maintained the IT infrastructure in the school, including the computer lab, personal computers for administrative staff and teachers.
- Maintaining the local network, and the internet access with the correct policies and permissions.
- In charge of creating the grading system and database and generating personalised grading reports.
- As a computer science teacher, I taught students between the ages of 8 in the Primary section and 17 in the Secondary section, adapting teaching methods to reach different levels and abilities.

Achievements:

- I had the opportunity to renew the whole computer lab, upgrading obsolete computers, software and upgrading the cabling, switches and routers for the LAN Network.
- Successfully created the grading system platform and its database for the school, generating personalised reports and data analysis based on learning goals.

Charles Darwin Foundation

Galapagos Islands

2 years

IT Helpdesk and database consultant

- IT helpdesk and support for scientists and admin staff.
- Troubleshooting the LAN and WAN networks
- Managing the ticketing system for priorities and emergencies.

Achievements:

- Excellent rapport with scientists and staff with computing problems. I clearly explained to them the technical issues they were experiencing and provided the right solutions.
- I developed very friendly, strong communication skills with clients. Furthermore, I have developed a way to communicate and explain complex systems in a manner that everyone can easily understand.
- As a database consultant I worked with the Botanical Department on transitioning from a Microsoft Access database to an SQL database.

Licences

- **Working with children check (WWC):** valid until March 2029
- **Full Australian Driver Licence:** valid until August 2034

Systems Capability

- Advanced skills in the use and management of **Mitsubishi and Siemens PLCs as well as Mitsubishi and ABB industrial robots.**
- Proficient in the use and administration of **Networking** devices, especially with **CISCO equipment.**
- Advanced programming language skills in **C++, Basic, Python.** Proficient in **Linux** and **Unix** systems.

Referees

Available on request or at interview.