

Andrew Everts

Electrical & Electronics Engineer



Hong Kong SAR, China



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Summary

A well-diversified engineer who thrives in Electrical, Electronic and Coding environments. Sporting a growing track record of success in designing systems and processes a commercial level. Highly organized and efficient in execution of well-coordinated designs across vast ranges of audiences. Proficient in multiple coding languages and tech-related software. I am eager to learn more while applying my skills in software and Industrial related industries. I can effectively communicate in English as well as Afrikaans.

Education

Bachelor of Engineering (Electrical & Electronic) 2019 - 2022

Stellenbosch University

- Graduated in 2022, specialising in Robotics in my final year.

National Senior Certificate 2014 - 2018

Hudson Park High School

- Matriculated with 4 distinctions including Mathematics, Engineering Graphics & Design, Information Technology and Physical Sciences.

Independent Examinations Board Mathematics 2015 - 2018

Advanced Programme Mathematics

- An extra A.P mathematics subject was taken and passed alongside regular High School subjects.

Skills

- **Technological Ability:** Ability to integrate technology with everyday problems as well as knowledge of the latest available technologies and how to implement them.

Proficient in the likes of Arduino, STM32, PC hardware and configurations of electrical components to design things from filters to PV chargers and even Gameboy systems.

- **Coding:** Ability to develop high level programs as well as Machine Learning fundamentals on many different computing platforms, including C/C++/C#, Python, Java, ARM, Delphi, SHARC, VHDL(Quartus) as well as other powerful applications like MATLAB, CAD, Altium and many IDE' s. Skills in PLC environments are also being learnt through industry.
- **Mathematics:** Advanced understanding and usability of many important mathematical concepts, probabilities, and control systems.
- **Critical Thinking:** High level ability to breakup and solve complex problems while remaining level-headed in my approaches.
- **People management:** Ability to delegate tasks and take responsibility.
- **Driver's License:** Code 8 license.

Work Experience

Electrical Engineer

Jan 2025 - Present

On Board Marine Group

- Marine Systems Integration
- Industrial Systems Integration
- Industrial Communications Design
- Electra and SolidWorks Software skills
- Project Management

Electrical/Design Engineer

Jan 2023 – Dec 2024

Micasa Energy Solutions

- PV Grid Tied & Hybrid Design
- High level design presentations to clients
- Support/ troubleshooting site problems, plant analysis & reports
- Engineering Management, Operational structure development
- R&D into products and alternate solutions
- Energy Toolbase, CAD, PvSyst, Helioscope and other software competencies
- Financial analysis modelling, tariff manipulation

Personal Achievements

School Prefect

Oct 2017 - Oct 2018

Hudson Park High School, East London, South Africa

Class Rep/ Student Representative Council

2014 - 2018

Hudson Park High School, East London, South Africa

Church Youth Leader

2016 - 2018

Stirling Baptist Church, East London, South Africa

Border U/16 Rock & Surf Angling

2016

South Africa Shore Angling Association

U/17 Provincial Cricket

2017

Border Cricket, Eastern Cape, South Africa

1st Team Cricket

2016 - 2018

Hudson Park High School, East London, South Africa

1st Team Squash

2017 - 2018

Hudson Park High School, East London, South Africa

Art Academy

2014 - 2016

Belgravia Art Centre, East London, South Africa