

Greig Stuart Strachan | Electrical and Electronic Engineer

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Current Employment

Graduate Engineer (Electrical), EnerMech

- During my time here I have worked on multiple projects in a variety of industries, such as Oil & Gas, Cranes, Manufacturing, and Chemical industry to name a few. These projects have included power analysis, power distribution systems, design, maintenance on both electrical systems and machinery, and writing of various engineering documents. With discipline engineering, project engineering, and project management elements incorporated.
 - Current Projects:
 - Lead electrical engineer managing schedule, sub-contractors, design/engineering approvals, alignment with other contractors, the issuing of engineering documentation, and materials required for electrical equipment being installed in a large-scale specialised manufacturing facility.
 - Part of the proposal, design, specification, and engineering required to upgrade a sites main power distribution system.

Education

Bachelor of Engineering in Electrical and Electronics, University of Aberdeen 2017 – 2021

Notable projects and activities whilst studying at University Aberdeen:

- **Subsea7, Engineering Work Experience Project**
Work experience with Subsea7 on an equipment analysis project. This included the creation of presentations, documentation, reports, and a number of meetings at Subsea7 with an assigned mentor from the company.
- **Nautilus ROV Project, Head of Power Systems**
Construction of a Remote Operated Vehicle with several specified features to take part in the MATE ROV competition over the next 1-2 years.
- **Electrical and Electronics Engineer Society (EEESoc)**
Committee Member of the Society, participating in operation, projects and socials related to the society. Nautilus ROV project is an extension of the EEESoc.
- **Institute of Engineering and Technology (IET) Member**
Member through the university during my time at the University of Aberdeen.

Previous Employment

Electrical and Electronic Engineering Intern, Raptor Oil Summer of 2018 and 2019

- Summer of 2019 (Assigned my own project)
 - **Duties: Creation/Design of Project proposals** (Task breakdown, project research, component research, solution finding/planning, project schedule planning), **Project Specification Sheets** (Voltage regulation, Voltage clamping, diagrams, tables, referencing with linked files/data sheets/websites), **Advanced schematic design from previous year, Presenting progress at weekly technical meeting and Various other Project Design tasks.**
 - **Software Used:** Altium (Schematic design), Gantt Project (Project scheduling), Design Spark (3D modelling), Excel, Word, Inkscape, Fritzing, Digital Project Manager (creating and getting tasks signed off/approved), Company Server (for company file organisation), making backups, file sharing, data sheet organisation, specification sheet organisation, following company specific systems).
- Summer of 2018
 - **Duties: Building component Libraries** (Data Sheet research, Schematic design, 3D modelling, pricing), **Introduction to programming, Participated in weekly technical meeting.**
 - **Software Used:** Altium (Schematic Design, 3D modelling, 3D board component placement, pricing), Python (Programming).

Customer Assistant, Tesco Inverurie

September 2013 - May 2018 and November 2021 -February 2022

- Included good time keeping, working as part of a team and meeting with the public on daily basis.

Additional Information

Previous Education Details:

Aberdeen College, Altens, 2013 - 2017

- National Certificate in Electronic Engineering SCQF Level 6
- National Certificate in Electrical Engineering SCQF Level 6
- Higher National Certificate in Electrical Engineering SCQF Level 7 -Electrical Engineering Graded Unit result: A

Dyce Academy:

- Subjects taken Maths, Physics, Technological Studies, English, Business Management, Graphic Communications and History.

Full Driving Licence held since May 2013:

- Clean driving licence.

References

- **EnerMech**
Available on request.
- **Raptor Oil**
Colin MacLean CTO and/or Hector De Abreu Project Manager available on request.
- **University of Aberdeen Personal Tutor**
Peter Dunning available on request.
- **Tesco Inverurie**
Customer Service Assistant Manager available on request.