

Gabriel Lippiatt

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**WORK EXPERIENCE****Hatch****Brisbane, Queensland***Undergraduate Engineer - Placement**Jan 2023 – present*

- Reinforcement learning for industrial plant optimisation.
- Capacity to recognise the bounds of safety and dependability for machine learning models used for process
- Control using linear integer programming.

Adventure Online**Darra, Queensland***Product Support Specialist**Nov 2022 – Jan 2023*

- List and maintain assets on retail websites
- Maintain product systems and databases for Pushys Online, BikeBug, and Outdoor24.

Adventure Online**Darra, Queensland***IT Support Specialist I**Apr 2022 – Nov 2022*

- Provide end user support and network administration services.
- Maintain and develop both hardware and software IT systems for Adventure Online including websites for Pushys Online, BikeBug, and Outdoor24.

MMG Limited, Dugald River**Dugald River, Queensland***Undergraduate Electrical Engineer**Nov 2021 – Mar 2022*

- Assisted with design, procurement, and installation of a dust suppression system including all safety aspects such as cabling, switch gear, and power.
- Responsible for improvement of drawing management software and procedures.
- Managed teams to complete ongoing projects such as writing APFs, work orders, and risk assessments.

Pushys Online**Salisbury, Queensland***Warehouse Team Member**Oct 2018 – Mar 2022***EDUCATION****University of Queensland – UQ****St Lucia, Queensland***BE(Hons)/ME Electrical and Computer Engineering (GPA: 5.3)**Feb 2018 – Jul 2023*

- Core modules: Digital logic design, computer networks, embedded and desktop operating systems, microcontroller selection and programming, electronics, telecommunications and signal processing.

Nanyang Technological University – NTU**Singapore***GEM Trailblazer Summer programme**Jul 2022*

- Core module: Human Computer Interaction.

Dalian Neusoft University of Information – DNU**Dalian, China***New Colombo Plan innovation and entrepreneurship programme**Jun 2019 – Jul 2019*

- Core modules: Software Innovation and Entrepreneurship.

VOLUNTEERING EXPERIENCE**Vinnies****Brisbane, Queensland***Volunteer Refugee Tutoring and Community Support**Oct 2022 – Jan 2023*

- Assists refugee families to take up the educational, vocational and social opportunities that exist in Australian.

RSPCA Queensland**Wacol, Queensland***Animal Care Volunteer**Mar 2020 – Feb 2021*

- Cleaning kennels and supporting enrichment through walking and training.

The University of Queensland**St Lucia, Queensland***EAIT Employability Ambassador**Feb 2020 – Nov 2020*

- Meet prospective students to help make informed choices about studying engineering.

ADDITIONAL SKILLS**Coding Languages**

- C, Assembly, Java, Python, HTML, SQL, Matlab/Simulink, VHDL

Software

- SAP, Altium/CAD, LT Spice, Xilinx Vivado, Atmel Studio, Freshdesk, Magento, Celigo, Netsuite, Gurobi, Azure