

# JEREMY REES

Brisbane, QLD ◇ Australia

 [jeremy-rees](#)

## EDUCATION

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### Queensland University of Technology

Jan 2018 – Aug 2024

Bachelor of Engineering (Honours) (Electrical) — First Class Honours

Bachelor of Business (Finance) — with Distinction

GPA: 7.000 (out of 7.000)

*QUT University Medal*

## WORK EXPERIENCE

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### Graduate Engineer

Oct 2024 – Present

*AEMO — Operations - Distributed Energy Resources*

*Brisbane, QLD*

- Collaborated with SA Power Networks and AEMO Principal Engineers to investigate emergency backstop capability in South Australia (SA). This involved leveraging Python and R to estimate DPV compliance to DNSP curtailment instructions, disconnection/reconnection ramp rates, and delayed return to service for DPV systems under the Relevant Agents and Flexible Exports (FELs) Schemes.
- Assessed and reported on the use of Advanced Metering Infrastructure (AMI) and Enhanced Voltage Management (EVM) as emergency backstop mechanisms in SA. This included analysing the compliance of DPV connections to AMI in SA under the Smarter Homes Regulations and Technical Regulator Guideline. Feeder power data was analysed to estimate changes in operational demand caused by EVM.
- Undertook AEMO-led professional development courses: NEM Overview, Network and FCAS Constraints in the NEM, and Metrology for the NEM.

### Consultant

Jun 2024 – Oct 2024

*KPMG — Power Solutions & Energy Market Modelling*

*Brisbane, QLD*

- Trained in utilising PLEXOS for energy market modelling to inform strategic asset management decisions, minimising long-term costs across clients' portfolios whilst achieving decarbonisation goals.
- Developed Python scripts interfacing with the PLEXOS API to automate the modification of input datasets, simulation execution, result query and report generation.
- Automated the processing and visualisation of large datasets (generation and load forecasts) using Python. Results provided insights into the suitability of REZ candidates for hosting a range of renewable generation technologies (wind, solar, BESS), under the scenarios identified by the AEMO Integrated System Plan (ISP).

### Vacationer

Nov 2022 – Dec 2022

*Deloitte — Specialist Engineering & Asset Management Consulting*

*Brisbane, QLD*

- Surveyed electrical asset data to assess redundancy, compliance, maintenance costs and scheduling.
- Designed slide presentations for engineering and managerial audiences communicating key recommendations to improve system safety within the client's risk tolerance.

### Undergraduate Engineer

Nov 2021 – Feb 2022

*Boeing Defence Australia — E-7A Wedgetail*

*Brisbane, QLD*

- Worked with the hardware engineering team to deliver upgrades to the voice and data communications systems onboard the E-7A Wedgetail (a Boeing 737 aircraft retrofitted for military use).
- Handled classified Defence and sensitive proprietary information in accordance with relevant guidelines, consulting security and export control specialists to correctly mark documents.

## Undergraduate Engineer

Nov 2019 – Nov 2021

Boeing Defence Australia — Defence High Frequency Communications System

Brisbane, QLD

- Worked in multiple small teams under senior electrical, software and system safety engineers to deliver sustainment packages and minor upgrades to the Defence High Frequency Communications System (DHFCS).
- Analysed the electrical loading of major IT infrastructure and implemented changes to balance three-phase power consumption. This minimised the likelihood of a phase loss or neutral cable overload.
- Redlined engineering drawings with updates outlined by senior engineers, and reviewed drafters' changes.
- Generated Engineering Change Notices (ECNs) and Engineering Change Proposals (ECPs) for the Chief Engineer, detailing all engineering work undertaken to satisfy Commonwealth requirements.

## HONOURS

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### Undergraduate

QUT University Medal ( <i>Highest Achieving Undergraduate</i> )	2024
QUT Dean's Award for Academic Excellence (Double Degree) ( <i>Highest Achieving Business Student</i> )	2024
QUT Science and Engineering Faculty Dean's List Award	2018 - 2024
QUT Business School Dean's List Award	2018 - 2024
QUT Science and Engineering Faculty Dean's Scholars Award	2018
QUT Vice Chancellor's Scholarship	2018

## VOLUNTEER EXPERIENCE

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### Treasurer

Nov 2022 – Nov 2023

Queensland University of Technology — 180 Degrees Consulting

Brisbane, QLD

- Managed income and expenditure (>\$10,000) against budget forecasts to ensure club financial health.
- Prepared funding applications and maintained Receipt Book, Asset Register and Profit & Loss Statement.

### STIMulate Executive

Feb 2021 – Nov 2022

Queensland University of Technology — STIMulate

Brisbane, QLD

- Liaised with senior academics to enhance student learning outcomes through the STIMulate program. Introduced the attendance of knowledge-sharing conferences and the establishment of the Learning Host role.
- Established an alumni networking series to provide students with opportunities to expand their professional networks. Hosted a Rhodes Scholar as part of this series to promote STIMulate to the wider QUT community.

### Peer Learning Facilitator

Feb 2019 – Nov 2022

Queensland University of Technology — STIMulate

Brisbane, QLD

- Facilitated small group and one-on-one learning sessions with undergraduate students in STEM disciplines.
- Ran workshops with senior STEM educators to provide assessment support for >200 students.

### School Outreach Volunteer & Workshop Facilitator

Nov 2018 – Nov 2020

Engineers Without Borders — QUT

Brisbane, QLD

- Co-facilitated first-year engineering workshops to prepare students for their first university assignments.
- Facilitated workshops for primary school students to raise awareness for humanitarian engineering and STEM.

## REFEREES

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Referees are available upon request.