

Andre Volpato

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📍 Cabarita, NSW 2137

EDUCATION

[2018 - 2021]

**Bachelor of
Engineering**

(Mechanical),

Distinction Average,
University of New
South Wales

[2010 - 2017]

St. Patricks College,
Strathfield:

- St. Gabriel's
School Award
for Social
Justice (2017)

PROFESSIONAL MEMBERSHIPS

- Graduate Member
of Engineers
Australia

SKILLS

- Microsoft Office
(Excel, Word,
PowerPoint)
- Solidworks (incl.
Simulation)
- ANSYS
Workbench
(Finite Element
Analysis & CFX)
- Autodesk
Fusion 360
- MATLAB +
Simulink
- Adobe Acrobat
- Bluebeam Revu

CAREER SUMMARY

A **mechanical engineer** from UNSW who has already gained valuable experience in the rail industry as an engineering consultant for Rail Confidence. Currently seconded to MTR as a site engineer, overseeing the mechanical, signalling and communications trackside install during the construction phase of the Sydney Metro City Tunnels.

For more information about myself and my academic and work involvements, please visit my **personal website** [here](#).

PROFESSIONAL EXPERIENCE

Site Engineer

MTR Corporation (Australia)

(NOV 2022 -)

MTR is currently delivering the TSOM (Trains, Systems, Operations and Maintenance) package for the Sydney Metro City and Southwest.

Key Responsibilities:

- Day to day coordination of subcontractors in the delivery of works
- Monitoring of the project program and record progress against the program
- Support and follow relevant HSEQ procedures and programs

Engineering Consultant

Rail Confidence

(JAN 2022 -)

Rail Confidence is an independent rail-specific consultancy who offer a broad range of engineering services to the rail industry.

Key Responsibilities:

- Conduct Finite Element Analysis (FEA) to assess vehicle underframe designs and modifications
- Compile standards compliance plans and carry out compliance tests on track maintenance vehicles (including hi-rails and wagons)
- Various engineering calculations and report writing

Administrator

De Martin & Gasparini

(DEC 2017 – DEC 2022)

De Martin & Gasparini provides specialist concrete pumping and placement services for commercial and high-rise developments.

Key Responsibilities:

- Conducted drawing change assessments for 7+ large commercial & residential projects across Sydney
- Estimate volumes of concrete from structural and architectural drawings
- Completed variation assessments to provide to clients
- Created Excel spreadsheet in conjunction with project manager for cost vs. budget analysis
- Collate quality assurance documentation