

# MAGGIE Tsz-shuen, LAI

Year of Birth: 1995      Gender: Female  
 Mobile: +1 (416) 997-8797      E-mail: [maggie.laitszshuen@gmail.com](mailto:maggie.laitszshuen@gmail.com)  
 City: Scarborough, ON, Canada      Postal Code: M1B 5Z2

## SUMMARY

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Skilled electrical engineering professional with a Bachelor of Engineering (Electrical Engineering) and 6 years of experience in the designing, assembling and installing, testing and commissioning in electrical spectrum and water treatment process. Accomplished and goal-driven in panel design, load and cable sizing calculation. Expertise in utilizing technical knowledge to provide support, solution and troubleshooting techniques to clients.

Self-disciplined and motivated on studying electrical spectrum and troubleshooting. Strong team member; able to cooperate and motivate others to achieve optimal production while maintaining safety methods and practices. Strong interpersonal and communication skills; able to coordinate with client, colleagues and coworkers.

## WORKING EXPERIENCE

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- Sep 2017 – Apr 2023*      **ATAL Engineering Limited**  
 (Position held last: Project Engineer)  
 (Position held during 2019 – 2021: Engineer)  
 (Position held during 2017 – 2019: Graduate Trainee (Electrical Discipline))
- Expertise in various electrical design and installation, including switchboard and switchgear protection, motor starter and control panel, load and cable sizing calculation, etc.
  - Manage the construction site and progress, deliver a quality and on-time service and program according to a timed schedule.
  - Performed budget control, held cost negotiation with suppliers, and handled procurement
  - Liaised with internal quantitative surveyor and safety officer to maintain a smooth project progress
  - Liaised with clients, consultants to maintain good engineering quality and sustain the project profit
- Jun 2016 – Aug 2016*      **ATAL Technologies Limited**  
 (Position held last: Trainee)
- Prepare material submission and manage handover and inventory document
  - Assist Engineers to design system circuits and perform system demonstration
  - Liaised with contactors and consultant in the interface meeting
- Oct 2015 – Apr 2016*      **Jingle Metal Products Company Limited**  
 (Position held last: Data Analyst (Part-time))
- Issued vouchers and ledgers and recorded raw accounting data with MS Office
  - Analyzed inter-year expense and income to project future profits
  - Liaised with customers and creditors to confirm invoice and statements, and answer their inquiries

## EDUCATION

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- Sep 2022 - present*      **Diploma in Software Engineering Technician**  
 Centennial College, Progress ON, Canada
- Sep 2013 - Jun 2017*      **Bachelor of Engineering (Electrical Engineering)**  
 The University of Hong Kong, Hong Kong

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## RELEVANT ENGINEERING HIGHLIGHTS

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- 2022 - 2023      Design, Supply, Installation, Testing and Commissioning of Lighting and Small Power System at CLP Power Hong Kong Black Point Power Station Unit D2**
- Design the lighting and small power system of various building and outdoor areas
  - Coordinated with junior colleagues, manage and review their works
  - Performed budget control and held price negotiation with different suppliers
- 2022 - 2023      Upgrading of Ha Wong Yi Au Fresh Water Pumping Station**
- As a Site Agent, manage the construction site and deliver a quality and on-time service and program
  - As an electrical-in-charge, design the motor starter panel and PLC control panel for 380Vac 250kW centrifugal water motor pumps.
  - Interrelated with client to achieve their objectives, while maintaining the SHE and quality standards
  - Lead a team of engineers and workers of different discipline to develop and complete the design
- 2021      Provision of Integrated Maintenance Services for Balance of Plant, Electrical, Control and Instrumentation in Black Point, Penny's Bay Power Stations and Castle Peak Power Station**
- Instructed labors and sub-contractors to perform periodic inspection and testing
  - Design, install and testing and commissioning of instinctively protection system for power generator
  - Liaised with different client parties, including project manager, engineer, safety officer and operators
- 2018 - 2021      Expansion of Tai Po Water Treatment Works and Ancillary Raw Water and Fresh Water Transfer Facilities – Design and Build of New Stream II**
- Install, testing and commissioning of 11kV/380V 1500kVA dry-type transformers
  - Design, install and testing and commissioning of Low-voltage switchboards (up to 3200A 380Vac) on various function, including motor starters, ATS and bus coupler etc.
  - Supervised various sub-contractors and suppliers to complete the design, testing and commissioning according to the planned program
  - Handled procurement and involve in budget analysis
- 2017 – 2018      Design, Supply, Delivery, Installation, Testing and Commissioning of an On-Site Chlorine Generation Plant (OSCG) at Ngau Tam Mei Water Treatment Works**
- Liaised with US supplier and prepare OSCG system process design submission
  - Design electrical distribution for OSCG plant system, including motor starter and control panel
  - Design building services system to facilitate the OSCG, including electrical and fire service system

## SKILLS

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Language: Cantonese (Native), English (Fluent), Mandarin (Fluent)  
 Office Tool: Microsoft Office Proficiency, Microsoft Project, Primavera P6  
 Technical Tool: AutoCAD, Autodesk Revit, DIALux, Microsoft Visual, Microsoft Visio

## CERTIFICATE & LICENSES

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2022      Canada Ontario Driving License (Full G)  
 2022      HKSAR EMSD Registered Electrical Worker for Electrical Work, Grade C0  
 2021      Certificate in Building Information Modelling (BIM) Advanced Modelling Course (MEP) – Revit  
 2018      Certificate in Building Information Modelling (BIM) Basic Modelling Course – Revit  
 2012      Pearson LCCI Level 2 Certification in Bookkeeping and Accounting