

Joel Lo

Singapore



joelloliangze@gmail.com



[linkedin.com/in/joello](https://www.linkedin.com/in/joello)

Summary

I am a Year 1 undergraduate currently pursuing Industrial & Systems Engineering in NUS with intent to minor in Data Engineering. I am also currently pursuing multiple specialisation certifications to learn more about the world. I hope to attain a CEH and a DevOps certification by 2023 August. Currently, top 5% on TryHackMe.

I write in Python 3 and have experience working with Linux bash and VBA. Recently, I have participated in TISC 2021 and experimented with Microsoft Azure Machine Learning platform. In helping my professor, I have picked up HTML, CSS and JS.

Recent projects includes building a decision making tool for village heads to find the optimal allocation of staff for their vaccination as well as building a supervised machine learning algorithm in Google Colab to classify images into numbers based on training data from the Keras library. An extension of the latter project was to reference the weights and bias generated by the model to Excel to prove that artificial neural network can be exported to Excel for fast real world deployment.

Experience



Student Assistant

National University of Singapore

Dec 2021 - Present (2 months +)

Assisted Dr Tan Chin Hon in creating E-Learning Resources for Engineering Economics. Currently working on a HDB Resale Price Prediction tool under the guidance of Prof Tan.



Non-Commissioned Officer

Singapore Armed Forces (SAF)

Jan 2019 - Nov 2020 (1 year 11 months)

3SG Joel Lo served under 3rd Battalion Singapore Guards. MPAT Commander. Admin/Armskote Specialist. GPMG Operator trained.

Education



National University of Singapore

B.Eng (Hons), Industrial & Systems Engineering

2021 - 2025



Tampines Junior College

A Levels, Science Stream

2017 - 2018

Licenses & Certifications



Programming for Everybody (Getting Started with Python) - University of Michigan

| Coursera

8EBMR9ZLTP79



Python Data Structures - University of Michigan | Coursera

U9KEEG4PNXJD



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AI For Everyone® - Hands-On 1 - AI Singapore

41710466



AI for Everyone® - Hands-On 2 - AI Singapore

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Pre Security Learning Path - TryHackMe

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Skills

Python (Programming Language) • Machine Learning • Microsoft Excel • Linux • Engineering •
Programming • Project Management • Leadership • Arduino • Visual Basic for Applications (VBA)