

# Lee Ka Chun, Ken

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## EMPLOYMENT

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**Software Engineer**                      **VTech Telecommunications Ltd.**                      **Aug 2021 – Current**

- Reduced running time by **75%** by code refactoring in AWS Lambda function (Java)
- Developed AWS Lambda functions (Python) to process pre-provisioning checking of IoT devices, maintaining system security
- Built up CloudFormation templates and shell scripting to automate cloud infrastructure creation, improving operational efficiency
- Handled and updated data stored in NoSQL database by using AWS Lambda function (Python)
- Set up AWS CloudWatch metric alarms to monitor system healthiness, enabling smooth operation

**Survey Officer (Quantity)**                      **Architectural Services Dept.**                      **May 2019 – Jan 2021**

- Reduced time to produce financial statements by over **85%** by building relational formulas between cells to automate the computations in Excel

**Quantity Surveying Graduate**                      **Architectural Services Dept.**                      **Aug 2015 – Aug 2017**

- Collaborated closely with different construction professionals to facilitate local public projects

## PROJECTS

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### Trash image classifier

- A 8-layer Convolutional Neural Network machine learning sequence model implemented Adam optimizer and Relu activation function to predict whether a trash on images is made of paper, metal, plastic, or none of the above.
- Increased the prediction accuracy from **55%** to **75%** by improving prediction algorithm
- Developed with Python and TensorFlow

## EDUCATION

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**Tecky Academy**                      **Hong Kong**                      **Feb 2021 – Jun 2021**

- MicroMaster in A.I. & Programming

**City University of Hong Kong**                      **Hong Kong**                      **Sep 2012 – Jul 2015**

- Bachelor of Science (Hons) in Surveying

## CERTIFICATES

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|---|--------------------------------------|---------------------|
| • AWS Certified Solutions Architect - Associate | Amazon                               | Jan 2022 – Jan 2025 |
| • Using Databases with Python                   | University of Michigan, Coursera     | Nov 2020            |
| • Using Python to Access Web Data               | University of Michigan, Coursera     | Oct 2020            |
| • Python Data Structures                        | University of Michigan, Coursera     | Sep 2020            |
| • MHKIS   | The Hong Kong Institute of Surveyors | Mar 2018            |

## TECHNOLOGIES

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- Python, SQL, JavaScript, TypeScript, HTML, CSS
- Amazon Web Services, Git, MacOS, Visual Studio Code, GitHub, Shell Scripting

## LANGUAGES

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- Proficient in written and spoken: English, Chinese