

# Lee Ka Chun, Ken

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## EMPLOYMENT

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**Backend Developer** **FreightAmigo Ltd.** **Jul 2022 – Current**

- Reduced website loading speed by reducing api data size and class dependency
- Integrated api and wrote test cases

**Software Engineer** **VTech Telecommunications Ltd.** **Aug 2021 – Jul 2022**

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

- Selected as one of the graduates region-wide for a 24-month professional development

## SKILLS

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

## 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 above.
- Increased the prediction accuracy from **55%** to **75%** by improving prediction algorithm

## 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            |

## 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

## LANGUAGES

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- Proficient in written and spoken: English, Chinese