

# Chong Shing Nam

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## Education

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### Feng Chia University

Bachelor of Science in Electronic Engineering

Aug 2017 - Aug 2021

Taichung City, Taiwan

#### Relevant Coursework:

- Data Structures and Algorithms
- Database Management Systems
- Object-oriented programming

### Cognitio College(Hong Kong)

Secondary Education

Sep 2011 - June 2017

Hong Kong

## Skills

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**Languages:** Python, JavaScript, HTML/CSS

**Databases:** MySQL, SQLite

**Libraries:** NumPy, OpenCV

**Frameworks:** Flask, NodeJS, Keras, TensorFlow, Bootstrap

**Tools & Technologies:** Git, Docker, Google Cloud, MATLAB

## Experience

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### Computational Analytics & Cognitive Vision Lab

Research Assistant

Jan 2018 - June 2021

Feng Chia University, CACV Lab

#### Specialization :

- Computer Vision
- Machine Learning(Convolutional Neural Network)

## Projects

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### Personal Website

Tech Stack: HTML/CSS, JavaScript, React

- Developed react application using Github Pages written with modern javascript which are pretty and responsive.
- Using HashRouter to hash in the URL to render the component. Since I was building a static one-page website, and switching the different content.

### Final year projects

Tech Stack: Python, Keras, TensorFlow, Face recognition, Database management system

- Adopted pre-trained model MTCNN to face detection, combine the Google Facenet with Keras to face recognition.
- Storage with SQLite storage the client data.

### Research project

Tech Stack: Matlab Deep Learning Toolbox, image processing, MTCNN

- An automated image processing method to analyze an architectural floor plan database.
- image processing and convolutional neural networks (CNNs) to detect the bedrooms by undergoing the segmentation and classification processes.
- Comprehensive experimentation on the dataset to verify the effectiveness of the algorithms evaluated. Both the qualitative and quantitative results are presented.