

# Yang Kai Yam

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## Professional Summary

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- ✧ Current graduate with a software development background. Experienced in mobile app and web development. Familiar with AngularJS, Ionic, NextJS, React JS, NodeJS, Flask framework, having the ability of UI design, Backend API implementation, Databases Management in MySQL and Mongo
- ✧ Skillful in NLP and Machine Learning with Data Visualization. Comfortable with coding in Javascript, Typescript, Python, Java, C#, C++, HTML, CSS.

## Education

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### ✧ University Degree

**City University Of Hong Kong** - from 2018 to 2022 (CGPA 3.77 / 4.30 – First Class Honours)

- Bachelor in **Electrical Engineering**
- Major in **Information Engineering**

## Working Experience

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- ✧ **Development Bureau (CEDD)** (Jun 2020 – Aug 2020)  
*Software Engineer Summer Intern*  
Technologies - WordPress, REST API, Postman
  - Work as a Software Developer in a project team, with frontend UI design
  - Design a website and a mobile tour guide tool for tourism usage
- ✧ **Orient Overseas Container Line Limited** (May 2021 – Sep 2021)  
*Summer IT intern / Information Service Department*  
Technologies - C#, Java, Vue.js, MySQL, Vault by HashiCorp, PowerShell script
  - Working in Agile, handle a Dynamic Password Module project
  - Build a portal to cope with the management of database with the security standard
  - Develop a data comparator for EDI migration projects
- ✧ **Solos Technology Limited (Kopin Corporation)** (Sep 2021 – May 2022)  
*Full Stack Application Software Developer Trainee*  
Technologies - Ionic, Angular, Typescript, NextJS, ReactJS, Node.js, MongoDB, Android Studio
  - Design, develop and debug mobile apps with Ionic Framework and Android SDK for smart glasses
  - Develop an EQ Calibration App with music and voice equalizer for CES demo
  - Implement a full-stack web portal with backend API service from user upload to MongoDB
  - Design and execute the test cases for firmware and software

## Achievement

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- ✧ **Microchip – Certificate of Qualification**
  - Excellent performance in PIC18 structure and programming
- ✧ **Development Bureau – Certificate of Training**
  - Received an award of reference letter from the development
- ✧ **University Certification – Semester with Deans' List**
  - 2019/20 Semester A GPA – 4.10
  - 2019/20 Semester B GPA – 4.20
  - 2020/21 Semester B GPA – 3.78
- ✧ **Scholarship**
  - HKSAR Government Scholarship on Outstanding Performance 2020/21
  - HK & Kowloon Electrical Appliances Merchants Association Ltd. Scholarship 2020/21

## Project Experience

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- ✧ **Newspaper Learning Platform with Text Mining (Final Year Project)**
  - A Client-Server Web Project with the technique of NLP and Machine Learning (Flask)
  - Web Scraping and Data Mining on global newspaper (BeautifulSoup)
  - Analysis text with summarization, classification, prediction (Scikit-Learn, Kaggle)
  - Big Data Analysis with Social Media Exploration (Tweepy)
  - Create a data visualization dashboard for easy reading (Bootstrap)
- ✧ **EQ Calibration App (Intern Project)**
  - Create a sound calibration engine with Observer Pattern (Angular/ Typescript)
  - Design a click wheel User Interface for tone modification (Ionic/ Andriod Studio)
- ✧ **Smart Retail Cart (University Design Project)**
  - Develop an IoT platform between Arduino and ThingSpeak (WiFi/ Bluetooth Module)
  - Create a cart board with RFID and OLED techniques for product scan

## Personal Key Skills

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### ✧ Software Framework

- Frontend: AngularJS, ReactJS
- Backend: Flask, Node.js
- Full-Stack: Next.JS
- Mobile App: Ionic Framework

### ✧ Programming Languages

- Typescript, JavaScript, HTML, CSS
- Python, C++, C#, Java, MongoDB, SQL
- WordPress/ Wix/ Bootstrap/ Postman

### ✧ Data Analytical Skills

- NLP tools: NLTK, SpaCy, TextBlob
- Machine Learning: Scikit-Learn, Tensorflow
- Web Scraping: Tweepy, BeautifulSoup

### ✧ Hardware and Networking

- PIC microcontrollers assembly coding
- PCB Design with Altium Designer
- Cisco Networking and Wireshark
- Arduino Robotic Coding