

With over 3 years in business and web development experience, I have designed, implemented, and maintained successful web applications working on both front-end user experience as well as back-end API development ranging from chatbots and machine learning to computer vision, artificial intelligence, and e-commerce.

## Education

- 2016-09 - The Hong Kong University of Science and Technology**  
**2020-06** *Bachelor of Engineering in Computer Science*  
*Bachelor of Business Administration in General Business Management*
- CGA: 4.039 (Top 1%) - First Class Honors, Academic Achievement Medal
  - HKD 80,000 / annum HKSAR Government Scholarship
  - Wilson Tang Prize for top student in probabilities course

## Experience

- 2020-01 - Distributed Concurrent Image Processing, HKUST**  
**2020-06** *Software Engineer*
- Designed robust software architecture for concurrent, scalable image processing with adaptable scheduler
  - Deployed python + flask functional modules using Docker & Kubernetes
- 2020-01 - T-Music Automatic Web Composer, HKUST**  
**2020-06** *Software Engineer*
- Designed & implemented API to authenticate, store, and compose songs
  - Refactored legacy data-mining desktop code to work as a server function
  - Designed user interface to perform, load, and play the compositions
- 2019-06 - Clare.AI Chatbot Solutions**  
**2020-01** *Software Engineering Intern*
- Designed software architecture for WhatsApp Business API Product that delivers 1000+ personalized messages daily
  - Deployed python + flask and NodeJS microservices and C#, .NET Core features and implemented optimal parsing algorithms
  - Automated high-impact product onboarding and code testing processes
- 2018-06 - Miro.IO AI for Sports**  
**2018-09** *Software Developer*
- Deployed Serverless Python code to process over 1000+ daily MySQL data with AI modules
  - Deployed OpenPose and Tensorflow Machine Learning packages to launch on-demand on AWS, reducing hardware costs by 71%
  - Improved Database-Network process throughput by 350% through edge computing, server design concepts
- 2017-06 - Image-based Segmentation Analysis using Deep CNNs, HKUST**  
**2019-07** *Research Assistant*
- Using Python, utilized state-of-the-art LeNet5, segmentation and classification techniques with Keras and Tensorflow backend
  - Optimized neural network to improve recognition accuracy by 30%
  - Performed statistical, qualitative, and quantitative analyses

## Key Achievements and Awards

- 2015-10 - REDbird Leadership Program**  
**2017-05** *Gold Awardee & Top Achiever*
- Took initiative to lead a team of 8 devoted to empowering individuals to host workshops about their talents. Held 5 unique events in a semester
  - As a coach, facilitated leadership development of first year students.
- 2015-10 - Cambodia Service-Learning Trip**  
**2017-05** *Organizing Committee Member*
- Led a team of 18 to teach and support children in 3 different NGOs.
  - Developed and facilitated multiple internal team-building workshops and globally-themed activities for the children in the NGOs.

## Personal Info

### Phone

+852 9815 5514

### E-mail

[idsanjuan@ust.hk](mailto:idsanjuan@ust.hk)

### WWW

[justinsj.com](http://justinsj.com)

### LinkedIn

[linkedin.com/in/justin-sj/](https://linkedin.com/in/justin-sj/)

## Hard Skills

### System Design



### UI / UX Design



### Data Analytics



### Coding & Database



## Soft Skills

### Leadership



### Collaboration



### Project Management



## Languages

### JavaScript



### Python



### C#



### C++



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