Chia Yong Kang

I am passionate about Software Engineering.and agile
development, and how it can benefit the world.

- **Phone Number**: +65 98774639
- **Email**: chiayongkang@hotmail.com
- **Linkedin**: http://bit.ly/Linked-Yk
- **Github: https://github.com/ExtremelySunnyYK**
- **Personal Website**: https://bit.ly/Portfolio_Yk

SOFTWARE WORK EXPERIENCE

Software Research Intern at DSO National Laboratories   Feb 2020 - May 2020

- Spearheading a new cybersecurity initiative to bolster Singapore's national security
  with Machine Learning.
- Training and fine-tuning of state-of-the-art deep-learning natural language processing models
  for named entity recognition tasks.

Freelance Software Developer   Sep 2018 - Current

- Completed 3 Web Development projects and 1 App Project
- Worked with a UI/UX designer to create an Augmented Reality Android App to measure and quote
  for clients easily.
- Worked with SME business to improve the User Interface and Experience of the Website.
- Created Product Recommendation system for clients/

TECHNICAL SKILLS

Languages	Technology	Data Science
Python • Java • Javascript • HTML• CSS • XML• SQL • PHP • Kotlin	Python Flask • Android• ReactJS • Flutter • MongoDB •Azure •GCP •AWS	Numpy• Pandas • Scikit-Learn • Microsoft Excel

PROJECTS

Smart Grocery Management System   June_2020 — June 2020

- Worked with a team of designers to come up with the whole app.
- Implemented groceries detection system with OpenCV on an IOT hardware
- Utilized : Python, Flask , Flutter , MongoDB , OpenCV(YOLO) , Azure

Automated Protocol Reverse Engineering with NLP   Feb 2020 — May 2020

- Improved an open source project on Cyber security
- Won the top prize for this project in HacknRoll 2020
- Utilized : Python, Scikit Learn , Pandas

Smart Glasses for the Visually Impaired   Jan_2020 — Jan 2020

- Developed a hardware for the visually impared to "see" emotions
- Won the top prize for this project in HacknRoll 2020
- Utilized : Python, Raspberry Pi, Azure Cognitive Services

Augmented Reality App for Construction   Oct 2019 - Jan 2020

- Revolutionized Construction by Augmented Reality for Client
- An app that allows them to quickly measure dimensions and generate a quote for clients
- Utilized: Java, Android, ArCore

Fitness Chatbot for Singaporeans   Jul 2019 — August 2019

- Developed a ChatBot for Telegram using python that allows users to generate workouts and keep track of their fitness score for
  People taking IPPT.
- Using the Lean Methodology, I consistently upgraded the user interface and functionality.
- Utilized: Python, Telegram API, Heroku

EDUCATION

Singapore University of Technology and Design   Expected Graduation: 2024

- Science Technology Entrepreneurship Programme (STEP) Scholar
- Computer Science

ACHIEVEMENTS

- Winner for HacknRoll 2020 Hackathon • Finalist for NUS Pitch Night • Finalist for HackJunction Hackathon
- Top 30 out of 500 for Shoppe coding competition