

# K-Tyn Tang

FULL STACK ENGINEER

## Profile

Versatile tech enthusiast with an appetite for challenging work in a dynamic and progressive company. I love the feeling of helping someone realise their vision and coding is a enjoyable way for me to do that. Good relationships with my team is important to me but I am a powerful independent worker as well.

## Employment History

### Head Software Engineer, NACT Engineering

DECEMBER 2022 – PRESENT

- Fullstack development and design of low-latency, real-time drone control web app with high-availability internationally.
- Developed REST APIs, authentication protocols, and session management to securely deliver data to clients.
- Implemented staging environment with automated testing that increased code coverage and reduced production vulnerability.
- Created a CI/CD pipeline that reduced time-to-deployment to under 30 minutes with zero-downtime.
- Implemented modular architecture that minimizes dependencies between components to prioritize flexibility and scalability as per startup needs.
- Rapidly develop software prototypes for client demos e.g. 3D building inspector/annotator, IoT fire hydrant monitoring system.

### Nanochip Production Lead, Silver Factory Technology

MARCH 2021 – MAY 2022

- Developed, maintained and updated automated dashboard for production yield analysis and inventory management system for traceability and product tracking.
- Increased production throughput by 300% in 7 months:
  - Analysed shortcomings and set up R&D projects required for long-term production forecasts.
  - Scheduled production for efficient coordination between 5 operations teams to meet production goals
  - Supervision of up to 10 concurrent R&D trials.

### Research Assistant – Insect Feed Nutrition, AgriProtein Singapore

OCTOBER 2020 – FEBRUARY 2021

- Researched and conducted preliminary development of Black Soldier Fly nutrition program to ensure optimal protein/fat content for waste valorization and breeding,
- Supplier sourcing and acquisition for supermarket waste feedstock.
- Performed pilot plant operations for the Entomology department.

## Education

### B.Sc. (Hons) in Biological Sciences with 2nd Major Food Science & Technology, Nanyang Technological University, Singapore

JUNE 2015 – JULY 2019

Graduated with Honours Distinction

## Details

Singapore / UK  
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## Links

[Portfolio](#)

[LinkedIn](#)

## Skills

React - Redux - Zustand

Javascript - Typescript

CSS - Tailwind - HTML

Three.js - R3F

Node - Express - Nginx - Python -  
Flask

Mongo - Redis - PostgreSQL

Docker - Github Actions -  
Firebase - AWS

Playwright - Puppeteer - Jest -  
Selenium