

## Contact

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(LinkedIn)  
github.com/CrownKira (Other)

## Top Skills

Climbing  
React.js  
Redux.js

## Languages

Japanese (Full Professional)  
Chinese (Native or Bilingual)  
English (Native or Bilingual)  
Malay (Limited Working)

## Certifications

22nd STePS 1st Runner Up Award  
Coze Bot Hackathon (Global) Winner  
N2 Certificate Japanese-Language Proficiency  
24th STePS Best Project Award  
21st STePS Best Project Award

## Honors-Awards

Merit Winner of MSC Maritime Digital Challenge

## Publications

Visualizing Environments of Modern Scripting Languages

# Toh Kar Wi

CS Graduate @NUS | Software Engineer  
Singapore

## Experience

### TikTok

Software Engineer  
July 2024 - Present (1 year 7 months)  
Singapore

Trust and Safety - Frontend Engineer / AI Agent Engineer  
- Building innovative RAG and agentic AI solutions that drive high-value business impact  
- Q4 2024 spot bonus.

### TikTok

Software Engineer  
May 2023 - April 2024 (1 year)  
Singapore

TikTok Instant messaging - iOS Engineer  
Trust and Safety - Frontend Engineer

### NUS Computing

Teaching Assistant  
January 2023 - April 2023 (4 months)

### ClimbJios

Co-Founder  
September 2022 - December 2022 (4 months)

### ByteDance

Software Engineer  
May 2022 - August 2022 (4 months)  
Singapore

Global Payment - Frontend

### NUS Computing

Teaching Assistant (CS2030/S: Programming Methodology II)  
January 2022 - April 2022 (4 months)

- Tutor and grade assignments for a group of 12 students. This module serves to explore two modern programming paradigms, object-oriented programming and functional programming.
- Teaching feedback score: 4.7/5.0

## Facebook

### Above & Beyond CS (ABCS) Program

August 2021 - October 2021 (3 months)

Singapore, Singapore

## Source Academy

### Frontend Developer - TypeScript, React, CanvasAPI

January 2021 - August 2021 (8 months)

Singapore

- Built a tool (Environment visualizer) for visualizing the environment model of a program at a particular point in its execution.
- Our tool is accepted at the CSEDU 2023 conference and that it is used in SoC (around 900 users per year) and at Uppsala University (150 users per year).
- Laid a solid groundwork for further development of EV through good coding practices and documentations.
- Leveraged knowledge in CanvasAPI, ReactJS, TypeScript, Git, Algorithms & Data Structures, OOP, Jest

## BiOSys.hair

### Full Stack Developer - Python, Django, jQuery

August 2020 - December 2020 (5 months)

Singapore

BiOSys.hair ([www.biosys.hair](http://www.biosys.hair)): professional hair care system that treats and solves major hair and scalp problems

- Reduced time spent on stocktaking by ~60% by developing and incorporating a cloud-based inventory management system into the inventory flow.

([www.topwayims.com](http://www.topwayims.com))

- Managed online advertisements and built a product showcase website that has amassed >550

subscriptions to date thereby spurring the annual revenue by >6%.

([www.topway.com.sg](http://www.topway.com.sg))

- Leveraged knowledge in Git, HTML/CSS, jQuery, AJAX, Python, Django Rest Framework, Online Marketing

## Education

National University of Singapore

Bachelor's degree, Computer Science · (January 2020 - November 2023)

St Andrew's Junior College

Science Stream · (January 2016 - November 2017)