

Contact

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www.linkedin.com/in/karwi
(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): 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)
- 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)
- 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)