

# Joachim Tan

Joachim.Stanislaus.tan@gmail.com

FULL STACK DEVELOPER  

## EDUCATION

### BSc Computer Science

University Of Exeter

2022- May 2024

- Dissertation on: Ant Colony Optimisation applied to the Police Patrol Routing Problem.

### Diploma in Computer Engineering

Singapore Polytechnic

2017-2020

- Vice Captain & Treasurer of the Waterpolo Team

## RELEVANT VOLUNTEER EXPERIENCE

### Vice President

Exeter Computing Society

Jul 2023 - Present

- Led the society, including, but not limited to, strategic planning, devising sponsorship and partnership strategies, and event-planning
- Organised a 4 session flutter workshop with over 100 attendees
- Organised a 4 session react workshop with over 100 attendees
- Organised Hack South West with over 100 attendees
- Planned and organised career talk sessions

### President; Co-Founder

United Kingdom Singapore STEM Society

Jul 2022 - Present

- Led the society, including, but not limited to, strategic planning, devising sponsorship and partnership strategies, and event-planning
- Planned and organised career talk sessions with government organisations such as [IMDA](#) , [MINDEF](#) , [GOVTECH](#), Dyson & Google
- Led the rebuild of our website ([uksss.uk](#))

### Technology Director

United Kingdom Singapore Students Council

Nov 2022 - Present

- Maintain & Update website; SEO focused
- Maintain & update communication channels; email systems, email list, bots

### Full-Stack Developer ; Co-Founder

BridgeTheGap

Jul 2022 - Jul 2023

- Tools: HTML, CSS, Javascript
- Co-Founded BridgeTheGap a non-profit organisation to give disadvantaged youths access to tech education in Singapore

## RELEVANT EXPERIENCE

### Software Engineer, UBS

Sept 2024 - Present

- Working on FINOS project VUU

### Backend Developer, Hatless Studios

Apr 2023 - Present

- Design, build, test and maintain high performance, reusable and reliable applications.
- Worked on 6 projects, most notable being the use of graph db (Knowledge Graphs) to facilitate matching algorithms.
- Develop RESTful APIs based on Figma designs and core app functionality.

### Software Engineer Intern , UBS

Jun 2023 - Aug 2023

- Working on building complex client-side table functionalities for FINOS project VUU
- Smart swapping system between server & client side functionalities.
- Benchmarking functionalities using benchmark.js
- 100% reduction of Proof Of Concept server cost. Client-Side functionality allows projects to perform demos without a server.
- Increase developer productivity; frontend no longer reliant on server for testing functionality, can be continuously tested with the client side functionality
- Faster time to market due to reduced developer downtime

### Data Analyst , SG Enable

May 2022 - Sept 2022

- Lead, created & developed desktop software to generate graphs and automate data collection & data sorting. Improved productivity & reduced visualisation time by 50%
- Perform data analytics to gain further insights, predict trends & sudden spikes in assistance requests to better prepare infrastructure to meet sudden demand
- Tools: Python, Openpyxl, Pandas, PyQt5

### Instructor , Little Coder

May 2022 - July 2023

- 900+ hours taught, 80+ students aged 5-16
- Languages: Python, Java, Lua, JavaScript, HTML5, CSS
- Involved in Curriculum Development, Teach and conduct coding, STEM and technology related classes and programs

## PROJECTS

### HackUPC 2023 ( Won Category Prize )

-Built [Mikasa.tech](#) an AI Powered Apartment Recommendation Platform.

### University Of Exeter Computer Science Department Hackathon 2022

- Won the Academics round, the task was to produce an art piece that represents the University of Exeter
- Placed 2nd in the Computer Science Student Reps Round, the task was to solve a collection of Python Puzzles worth different points based on their difficulty

### JP Morgan Code For Good Hackathon - Glasgow 2022

### Climate Hack Hackathon 2022

## REFERENCES

**Shaun Goh**, Lecturer

[shaun\\_goh@sp.edu.sg](mailto:shaun_goh@sp.edu.sg)

**Regina Moh**, Senior Talent Acquisition Partner

[reginamohhy@gmail.com](mailto:reginamohhy@gmail.com)