Joachim Tan ✉ 🌐

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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

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 - Present
- 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)
Full-Stack Developer
-Built **Mikasa.tech** an AI Powered Apartment Recommendation Platform.

University Of Exeter Computer Science Department Hackathon 2022
Full-Stack Developer
- 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
Full-Stack Developer

Climate Hack Hackathon 2022
Team Leader, Technical Lead

REFERENCES

Shaun Goh, Lecturer
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Regina Moh, Senior Talent Acquisition Partner
reginamohhy@gmail.com