

CHUN KEN HARVARD THAM

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EDUCATION

BSc.(Hons) Computer Science , University of St Andrews	Expected 2025
Dean’s List (Achieved academic excellence & first class degree equivalent)	2021 - 23
Dissertation: Simulating flow networks on the <i>epydemic</i> Python library	
A & AS level , Kuala Lumpur Alice Smith School	2016 - 2021
A* in Computer Science, Maths, Further Maths, Physics	
A in Mandarin AS level	
Bursary Scheme (top 12 performing students)	

EXPERIENCE

SWE Summer Intern , JP Morgan Chase Glasgow	Jun-Aug 2024
<ul style="list-style-type: none">Collaborated with a team of 16 on developing an internal tool to minimise cost of operationsIdentified and provided solutions to five issues with AWS account configuration that prevented deploymentsGained knowledge of hybrid cloud architecture and practical experience using AWS in a regulated environmentDirectly communicated with the clients and acted on their feedback with agility	

PROJECTS

Full stack web app hosted on AWS ECS Fargate
<ul style="list-style-type: none">Learnt to implement a Flask based backend that can communicate with on premise data centre APIsThen coupled that with a React based front end providing an interactable and dynamic dashboardOrchestrated containerisation and deployment using Terraform IaasC
Map-based visualisation of data & Project Management
<ul style="list-style-type: none">Gained awareness of the importance of visual and keyboard accessibility features on web applicationsCollaborated with a small group of 6 that is part of a larger group of 25Naturally took on the role of project management and improved my team’s coordination & communicationFollowed the Agile & Scrum methodology on Jira, increasing the efficiency of development by 20%(1 day faster)
Simple Reliable Transport Protocol in C
<ul style="list-style-type: none">Designed a network communications protocol that can communicate reliably on a lossy networkPerform data analysis to understand the behaviour of the network and protocol design
Automated Algorithm Selection Model
<ul style="list-style-type: none">Learnt and applied supervised learning on a linear and neural network models for regression and classification from the <i>Scikit-Learn</i> Python libraryFine tune the hyper parameters of the models using an automated algorithm selection model and achieving an increase in accuracy of up to 60%

LEADERSHIP

Head of Events and Logistics , St Andrews Malaysian International Group	2021 - 23
<ul style="list-style-type: none">Created two protocols to streamline the process of organising events and inventoryOrganise a bus of 40 students to Scottish Malaysian Society GamesEstablish good relations with other Malaysian societies, as well encouraging participation and networking	
Coach, Captain, Referee, Judge , Taekwondo	2019 - 21
<ul style="list-style-type: none">Thrived in a high-stress, fast paced competitive environment while maintaining focus and integrityLearnt to value team morale and motivation in the path of achieving goals as a coach/captain	

SKILLS

Certifications	AWS Foundational Cloud Practitioner	
Strong	Language	Python, C, Unix, Git
	Backend	Flask, NodeJS
Intermediate	Language	Terraform, Java, Haskell
	Frontend	ReactJS, Tailwind CSS
	Data	Jupyter Notebooks, Scikit-Learn, R, Matlab
	Database	SQL, noSQL, GraphQL

Reference letter provided upon request