

JASON SETYADI

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EDUCATION

UNIVERSITY OF LEEDS, SCHOOL OF COMPUTING, 2022 – 2025

BSc COMPUTER SCIENCE - Relevant Modules

YEAR 1		YEAR 2	
Procedural Programming	92%	Numerical Computation	PENDING
Fundamental Mathematics	70%	Calculus and Mathematical An.	PENDING
Computer Processors	100%	Algorithms	PENDING
Computer Architecture	85%	Formal language / Finite Automata	PENDING
Programming Project	90%	Artificial Intelligence	PENDING
Discrete Mathematics	86%	Operating System	PENDING
Object Oriented Programming	93%	Data Mining	PENDING
Year Average	85%		-

BRITISH SCHOOL JAKARTA, 2018 - 2022

INTERNATIONAL BACCALAUREATE (41/45 TOTAL POINTS)

HL Computer Science (6), HL Maths A&I (6), HL Business Management (7), SL Physics (7), SL Indonesian Language (7), SL English Language & Literature (5) + 3 Bonus Points

GCSE/(I)GCSE

Achieved 8 grades (7-9/A-A*) including Mathematics, Computer Science | 2 grades (6/B)

ACADEMIC/PERSONAL PROJECTS

B2B Client transaction and inventory management web application

- Full-stack web application (JavaScript, CSS, HTML, SQL), **nodeJS** framework as backend
- Features include: sorting and filtering product catalogues, updating inventories from the database after transaction, generating receipts and sending them to customers through email after converting them to PDF, basket system, authentication and authorisation system

Image compression and decompression algorithms using C

- Involves compressing standard 8-bit pixel values in C into 7-bit and 5-bit
- Reading and writing binary values from text files
- Working with dynamic and multi-dimensional arrays

Reading journal applications developed using Java and MySQL

- Full-stack application that allows users to journal on their selected reading materials
- Utilise the Google Books and PDF renderer API
- Simulates the software development cycle (from requirements definition to testing)

EXTRACURRICULAR / CERTIFICATION

Courses

November 2023 | **J.P. Morgan Software Engineering Virtual Experience** - Set up a local dev environment by downloading the necessary files, tools and dependencies. Used JPMorgan Chase's open-source library called Perspective to generate a live graph that displays a data feed in a clear and visually appealing way for traders to monitor

August 2021 | **inspiritAI course** – a 2-week course on implementing machine learning algorithms using Python. Gave a presentation with my team on our findings on the various techniques (keyword extraction, bag of words, tokenisation) used in natural language processing.

August 2019 | **IONIC app development** – learned to use the ionic framework to develop mobile apps. Created a restaurant booking app for managing and creating bookings.

ACHIEVEMENTS

- Pearson Excellence Award
- UKMT Senior Maths Challenge (2x Bronze award)
- Raised £500 for a charity by selling tote bags and raising awareness for plastic pollution

EXPERIENCE

CURRENT

GrassRootWeb Website Designer (VOLUNTEERING)

- Collaborating with a team on designing websites for underprivileged women and adolescent girls in a rural village in Kenya.
- Working with the organisation representative to meet and refine website requirements

SEPTEMBER – DECEMBER 2022

ENGLISH TEACHER (VOLUNTEERING)

- Taught English to a group of 20 underprivileged children in Indonesia
- Responsible for planning and delivering lessons every weekend
- Tracking improvements in their writing and test performance