

VANIA CRYSTAL HALIM

vhalim@andrew.cmu | www.linkedin.com/in/vania-halim | vaniahalim.github.io (portfolio)

EDUCATION

Carnegie Mellon University	B.S Artificial Intelligence, Information Systems, Business Analytics & Optimization	Aug 2021 – Dec 2024
Imperial College London Business School	Business Analytics + Consulting & Strategy	May – Jul 2022
University College London	Data Science and Analytics + Digital Business Transformation	Jul – Aug 2024
Hwa Chong Institution	Cambridge A Levels	Jan 2019 – Dec 2020

WORK EXPERIENCE

Tech Consultant & Software Developer @ Centre for Organ Recovery & Education (IS Consulting Project) Jan – May 2024

- Streamlined the employee onboarding and offboarding pipeline by developing a full web-based application and SQL database
- Automated the creation of Active Directory accounts with Powershell and other web-based accounts using Selenium
- Established API integrations that sped up the signing of hospital-related documents on DocuSign
- Created comprehensive documentation for the IT team to replicate and maintain the above solution
- Oversaw the entire project lifecycle from initial consultation with client to final User Acceptance Testing

Chief Marketing Officer @ Capital Grains CMU May – Aug 2024

- Spearheaded marketing initiatives for CMU's first student-run restaurant startup business
- Increased social media following by 300%, strengthened branding and customer loyalty
- Developed on-the-ground outreach activities, liased with Compass Group (largest foodservice company in Europe)

Data Engineer Intern @ Infocomm Media Development Authority Singapore Jun – Aug 2023

- Developed an automated data pipeline from data sourcing to cleaning and transformation to visualization
- Conducted research on GenAI's implications on the work landscape

Teaching Assistant (15-112 Fundamentals of Programming & Computer Science) Aug 2023 – May 2023

- Head of student support division; wrote extra practice content, coordinated weekly small group sessions for weak students
- Mentored >20 students in developing their own Python-based applications (800-1000+ lines of code)
- Taught large group sessions (quiz prep, quiz solution) with 200+ students
- Held weekly recitations and office hours; built students' knowledge from basics to recursion and algorithms

Data Science Intern @ Esme Learning (Ed-Tech startup) May – Aug 2022

- Developed a text analysis model using machine learning methods
- Implemented a machine learning flow for targeting business questions and improving internal processes

Tech Consultant and Project Manager @ re:Bloom (Non-profit organization) Aug 2021 – May 2022

- Planned, oversaw and lead team's project to completion while maintaining close communication with clients
- Utilized Figma and Wix to develop web applications to increase sales for local, women & minority-owned businesses

Software Engineer Intern @ GovTech Singapore Feb-May 2021

- Automated the scanning of Indicators of Compromise (IP addresses, file hashes, URLs etc) in infrastructure logs using AWS Lambda, DynamoDB, and Elasticsearch to identify security threats
- Integrated the process of monetary disbursement to citizens using API calls, serverless framework, and other AWS services

ACTIVITIES

Girls Who Code CMU Executive Board Member Present

- Grew member count by 200%, organized outreach events to empower young girls to learn technical skills

SKILLS & CERTIFICATIONS

Oracle Cloud Infrastructure 2024 Generative AI Certified Professional | AWS Solutions Architect Associate | Neo4j & LLM Fundamentals | Python, C, HTML/CSS, JavaScript, SQL, Selenium, Ruby on Rails, LaTeX, Radzen | Figma, Canva