

# JUN MING OOI

[jmo460@nyu.edu](mailto:jmo460@nyu.edu) • [Website](#) • [GitHub](#) • +971 502104815

## EDUCATION

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### New York University Abu Dhabi, UAE

Sep 2020 – May 2024

- B.S. in Computer Science, Minor in Interactive Media

GPA 3.76 / 4.00

### Sunway Cambridge GCE A-Levels, Kuala Lumpur, Malaysia

Jan 2018 – June 2019

- A\*AAA in Further Mathematics, Mathematics, Economics, and Physics
- SATs 1550 / 1600

## RELEVANT EXPERIENCE

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### Odoo – Dubai, UAE

#### Software Developer

August 2024 – Present

- Developed custom Odoo ERP solutions using **Python**, **PostgreSQL**, **Odoo Framework** and **JavaScript** to extend core functionalities.
- Collaborated with functional consultants and internal teams to understand individual clients business requirements and translated them into bespoke technical solutions.
- Adhered to robust development workflow: staged deployments, code reviews, functional testing, and client approvals.

### Center for Interacting Urban Networks (CITIES), NYUAD - Abu Dhabi, UAE

[www.citiesair.com](http://www.citiesair.com)

#### Software Developer

Apr 2023 – July 2024

- Solely designed and developed all server-side logic in **NodeJS** and designed the schema for the **PostgreSQL** database from initial business ideation.
- Configured server environments using **Docker** and deployed on **DigitalOcean** with a Continuous Deployment pipeline using **GitHub Actions**.
- Spearheaded the development of a backend system for an air quality dashboard, supporting 200+ unique monthly users and a public endpoint with 2000+ daily hits.
- Engineered a system to fetch and aggregate IoT sensor data for air quality monitoring across 13+ schools in Abu Dhabi.
- Designed and implemented a **REST API** to support the various needs of multiple stakeholders.

### Human-Data Interaction Lab, NYUAD - Abu Dhabi, UAE

#### Research Assistant

Oct 2021 – May 2022

- Built interactive visualizations for the course Database Management Systems using **React** and **d3.js** for algorithms such as Linear Hashing, Extendible Hashing, Bloom Filters, R-Trees.
- Designed and implemented clear, instructional visualizations, enhancing online course materials for student usage.

### Unix Lab, NYUAD - Abu Dhabi, UAE

#### Unix Lab Monitor & Learning Assistant

Sept 2021 – Dec 2021

- Tutored/assisted a diverse group of over 30 unique students with CS/CPE assignments.
- Provided tailored guidance to students with code and ideation for their classes, projects and internships.
- Taught and provided learning resources for core CS concepts such as trees, hashing and depth-first search.

### eMasons Solutions - Kuala Lumpur, Malaysia

#### Software Developer Intern

Sept 2019 – Apr 2020

- Developed an iOS app for a visitor management kiosk using **React Native** from scratch, starting from project ideation to project execution.
- Ported a facial-recognition **Python** library into a reusable module in **Swift**, later used in multiple projects.
- Worked in an **Agile/Jira** based environment, presenting progress and integrating feedback from end clients every two weeks.

## SKILLS

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- Languages: English, Malay, Hokkien, Mandarin (Conversational)
- Computer Languages: JavaScript/HTML/CSS, SQL, Python, C++
- Frameworks/Tools: NodeJS, ExpressJS, React, VSCode, DigitalOcean, Docker, Git, Linux, Bash, d3.js
- Others: Photoshop, Illustrator, Figma, Canva, MS Office, Google Suite, Unity