

# JUN MING OOI

github.com/dweggyess • jmo460@nyu.edu • www.junming.dev

## EDUCATION

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**New York University Abu Dhabi, UAE**

- B.S. in Computer Science

Sep 2020 – May 2024

Present GPA 3.73 / 4.00

## RELEVANT EXPERIENCE

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

**CITIESAir Developer**

Apr 2023 – Current

- Created a back-end system in **NodeJS** and **PostgreSQL** for fetching and aggregating third-party air quality sensor data for 13 schools in Abu Dhabi.
- Designed and implemented a REST API to support the front-end of the project.
- Configured and deployed a server on **DigitalOcean**, implementing CI/CD pipelines to automate deployment.
- Designed and developed a new data visualization project with multiple charts with **React** and **Google Charts**.

*HuDa Lab, NYUAD - Abu Dhabi, UAE*

**Research Assistant**

Oct 2021 – May 2022

- Built interactive visualizations on the course Database Management Systems using **React** and **d3.js** for a few algorithms such as Linear Hashing, Extendible Hashing, Bloom Filters, R-Trees.
- Implemented the visualizations on the course website used as reference material by course students.

*Unix Lab, NYUAD - Abu Dhabi, UAE*

**Unix Lab Monitor & Learning Assistant**

Sept 2021 – Dec 2021

- Tutored/assisted over 20 unique students with CS/CPE assignments.
- Assisted students with code and ideas for their projects, assistantships 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

- Contributed to the development of an iOS app for a visitor management kiosk using **React Native**, starting from project planning to project execution.
- Ported a Python library used for facial recognition to **Swift**, and converted it into an internal React Native library to be used in our application.
- Worked in an Agile/Jira based environment.

## SKILLS

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- Computer Languages: JavaScript/HTML/CSS, SQL, Python, C++
- Frameworks/Tools: React, NodeJS, ExpressJS, DigitalOcean, Git, Linux, d3.js, Figma, Photoshop