John Jacob Cua Go

johnjacobgo@gmail.com | +6580230250 | www.linkedin.com/in/gojohnjacob | https://github.com/gojohnjacob

Results-driven aspiring software engineer with experience in Python programming, full-stack web development, and data analysis and visualization. Seeking to gain direct experience in creating and maintaining software products in the tech and finance industry.

Education

YALE-NUS COLLEGE | **Bachelor of Science with Honors, Computer Science**   **Aug 2020 – May 2024**
- GPA: 4.67/5.00

YALE UNIVERSITY | **Yale Visiting International Students Program**   **Aug 2022 – Dec 2022**
- Courses: Full Stack Web Development, Database Systems, Management of Software Development

XAVIER SCHOOL SAN JUAN, PHILIPPINES | **IB Diploma Program**   **Jun 2018 – Jun 2020**
- Ranked 2nd in graduating class of 300+
- GPA: 99.43/100, SAT: 1560

Projects

Yale University CPSC490 Website   **Aug 2022 – Dec 2022**
- Created HTML and CSS templates used in revamping CPSC490 course website
- Used Python, Flask, SQL, JavaScript to add interactivity, endpoint handling, and backend logic
- Acted as Scrum Master in conducting sprints and organizing daily stand ups using Agile Methodologies

Yale University MGT656: Simple Eventbrite Clone   **Aug 2022 – Dec 2022**
- Created Golang HTML templates and used Bootstrap to create interface of website
- Used Golang and JavaScript to add interactivity, endpoint handling, A/B testing, and other backend logic
- Acted as Scrum Master in conducting sprints and organizing daily stand ups using Agile Methodologies

Professional Experience

SALES OPERATIONS INTERN | **Razer Inc.**   **May 2022 – Aug 2022**
- Spearheaded automation of sales and business reports to save department over 30 minutes per day using Python (openpyxl, NumPy, pandas), Microsoft Excel
- Assisted Data Science team in error-handling in development of data ingestion and ETL program using Python, AWS (S3, Lambda), Bitbucket, SQL

RESEARCH ASSOCIATE | **Yale-NUS College**   **May 2021 – Aug 2022**
- Research Project: Data Science for the Environment, Modelling Fireflies Distribution in Southeast Asia
- Collaborated with fellow research associates in cleaning and processing data using R (Tidyverse) as input for models and visualizing and presenting output data to professors and other researchers
- Built and maintained firefly population model using R (base, Tidyverse) and Python (pandas, openpyxl)

Leadership & Extracurricular Activities

Peer Tutor | **Yale-NUS College**   **Aug 2021 – Present**
- Tutored over 100 Yale-NUS students in Statistics and programming using Python and R
- Courses taught: Introduction to Data Science, Quantitative Reasoning, Scientific Inquiry

Vice-President | **Yale-NUS Technology**   **Aug 2020 – May 2022**
- Spearheaded an educational curriculum for 20 club members that teaches data analysis and visualization using base Python, NumPy, and pandas and its applications in research and academia
- Co-led the organization in hosting a data journalism competition held in March 2021 for 50+ students

Languages and Frameworks

- **Languages:** English (native), Tagalog (native), Mandarin Chinese (intermediate)
- **Programming languages/tools/frameworks:**
  - <u>Proficient</u>: Python, C, R, SQL, Flask, Django, Microsoft Office, Git (Github/Bitbucket), REST APIs
  - <u>Experienced</u>: HTML, CSS, JavaScript, Golang, TypeScript, OCaml, Tableau, AWS, Linux, Unix
  - <u>Learning</u>: React.JS, jQuery, Docker