

Ng Yu Xuan

+ (65) 9184 5887 | ngyuxuan1997@gmail.com | Singaporean

<https://github.com/PeanutNJam> | <https://www.linkedin.com/in/ng-yu-xuan> | <https://yuxuanng-seven-rouge.vercel.app>

PROFESSIONAL EXPERIENCE

Software Engineer – Oversea-Chinese Banking Corporation (OCBC) **June 2023 – Present**

- Delivered high-quality, robust production code for a diverse array of cutting-edge React Hybrid and Swift applications, ensuring seamless and high-performance user experiences.
- Leveraged OpenShift and Terraform for seamless application deployment and management, utilizing its Kubernetes-based orchestration for auto-scaling, load balancing and monitoring.
- Automated critical tasks for Investment Ops using Python, using libraries such as Tkinter, Selenium and Pandas to build user-friendly interfaces coupled with web scraping and data manipulation, saving hours of cumulative manpower time.

Business Analyst (Intern) – Accenture plc **Jan 2023 – May 2023**

- Created application designs, facilitated design workshops and presented solutions to solutioning panels.
- Coordinated with application developers who may be based offshore to achieve objectives of project.
- Produced and underwent test cases, test scenarios and scripts in support of business application functional requirements.

Risk Advisory, Cyber Strategy (Intern) – Deloitte Touche Tohmatsu Limited **Dec 2022 – Jan 2023**

- Deployed processes and technologies to address regulatory, privacy and data management risks.
- Developed Cyber-related programs in line with strategic objectives and risk appetite.
- Supported the emerging technology team with technical documentation, analysis, and reporting on cybersecurity risks.

PROJECT WORK

Machine Learning & Data Analytics **Apr 2021 – Nov 2021**

- Researched Machine Learning models & implemented algorithm in Python using Jupyter Notebook to identify life expectancy trends from various countries.
- Applied Data Science Techniques (Linear Regression, Graph plots & K-Means Clustering) in Python using NumPy, Pandas, Matplotlib, Seaborn and Plotly.
- <https://github.com/PeanutNJam/CB0494-Introduction-to-Data-Science-and-Artificial-Intelligence>

TikTok Youth Camp – Web Development Programme **Apr 2022 – Jun 2022**

- Produced visual and audio elements by translating UI/UX design wireframes into code.
- Designed a dynamic webpage for Hangman using HTML, CSS & JavaScript and React.JS.
- <https://github.com/PeanutNJam/TikTok-Youth-Camp-Hangman-Game>

CERTIFICATES

Google Data Analytics Professional Certificate	Utilized SQL, Tableau and R to prepare, process & analyze data
ByteDance Web Development Programme	Learnt basic HTML, CSS, JavaScript & React.JS for the creation of webpages & Front-end functionalities
Machine Learning	Used machine learning models that leverage data while improving performance via MATLAB and Python, Mathematics for Machine Learning, Machine Learning Specialization (DeepLearning.AI)
Udemy	The Complete 2023 Web Development Bootcamp, Java Programming for Beginners, Automate Everything with Python, Quantitative Finance and Algorithmic Trading with Python, Discrete Mathematics
Coursera	Python Data Structures, Accounting Data Analytics & Visualization, IBM Applied DevOps Engineering

EDUCATION

Georgia Institute of Technology **Expected Enrollment: Fall 2024**

Master of Science – Computer Science (Specialization in Machine Learning)

- Enrolled in a rigorous program focusing on advanced computer science topics such as artificial intelligence, machine learning, and software engineering.

Nanyang Technological University, Singapore **Aug 2019 – May 2023**

Bachelor of Engineering (Honours), Chemical and Biomolecular Engineering

- Recipient of Dymon Asia Scholarship for Social Impact, given to well-rounded university students driven to effect positive change in their community
- Relevant Modules – Data Science & AI, Computational Thinking, Engineering Statistics, Engineering Mathematics, Numerical Methods & Data Analytics, Cybersecurity
- Hackathons Participated: MLDA Deep Learning Hackathon

LEADERSHIP EXPERIENCE | CO-CURRICULAR ACTIVITIES

Tuition Teacher, Chong Pang Community Club Voluntary Programme **Jun 2021 – Dec 2023**

- Directed tuition classes for approximately 50 secondary school students at Chong Pang CC in Math and Science

Vice President, Union Orientation Events Committee **Sep 2019 – Nov 2020**

- Spearheaded & oversaw all coordination & liaison with sponsors & corporate clients for fundings of up to \$6000