

(last updated: 16 Aug 2022)

Papattarada Apithanangsiri

EDUCATION

National University of Singapore (NUS) — Bachelor of Computing (Honours) in Computer Science

AUG 2020 - MAY 2024

- **ASEAN Undergraduate Merit Scholarship**
A freshmen scholarship offered to support outstanding students from ASEAN countries

EXPERIENCE

Data Analytics Intern (Affiliate Data Analytics) — Shopee

JUNE 2022 - AUG 2022

- Meticulously automate data collection of 400,000 posts and 700 images through **web scraping**
- Train **text classification model** using **fasttext** and **keyBERT** for Facebook post classification and eliminate manual labour with up to 70% accuracy
- Utilize **transfer learning** and implement **classifier layer** on **MobileNetV2** for **image classification** to automate post classification and eliminate manual labour with up to 90% accuracy
- Conduct **data visualization** model output to help drive business insights

Workshop Executive — NUS Statistics and Data Science Society

AUG 2022 - Present

- Organise **Machine Learning** and **Data Science** workshops for up to 90 NUS students

Open source contributor - RepoSense, NUS Computing

MAY 2022 - Present

- Implement and test **frontend functionalities** for a contribution analysis tool for Git repositories, generate interactive visualizations for programming activities with **Vue.js**, **Pug**, **SCSS**, benefited more than a **million users**
- **Propose** and work on new features to improve filtering experience

Teaching Assistant CS2103 Software Engineering — NUS Computing

AUG 2022 - Present

- Conduct tutorials for a class of 10 undergraduate students on **software engineering principles**, **object-oriented programming**, **testing**, **version controls**, and **project management**

Orbital Advisor CP2106 Independent Software Development Project — NUS Computing

MAY 2022 - AUG 2022

- Manage and guide 5 teams of undergraduates on **software engineering practise**, and provide **constructive feedback**
- **Initiate** progress update sessions for teams to learn from each other
- Conduct 3-hour demo sessions on key technologies and concepts e.g. **Git**, **React.js**, **project management**, and **project structuring**
- Lead teams to **upgrade** Level of Achievement

UI/UX Design Lead (Software Development Team) — NUS Fintech Society

AUG 2021 - AUG 2022

- Lead a team in designing **high-fidelity prototypes** for web applications using **Figma**
- Spear-head development of the Fintech Month website, used by participants worldwide

PROJECTS & HACKATHONS

ReHash — CP2106 Independent Software Development Project ([link](#))

MAY 2021 - AUG 2021

- Implement a **full-stack web application** for item swapping and design the UI/UX using **React.js**, **MongoDB**, **Firebase**, and **Figma**

ArchDuke — NUS Computing ([link](#))

MAY 2021 - AUG 2021

- Implement a **full-stack web application** for contact management using **Java**, **JavaFX**, **JUnit**, and **Gradle**

Mobile: 96147377

Email: papattarada.a@u.nus.edu

LinkedIn: [link](#)

Personal Website: [link](#)

GitHub: [link](#)

TECHNICAL SKILLS

• **Programming Languages & Frameworks:** Java, Python, C, SQL, Tensorflow, HTML, CSS, Javascript, React.js, Vue.js, Firebase, Node.js, MongoDB

• **Data Visualisation Software:** Tableau, GeoSpatial

• **Statistical Tools:** MATLAB

• **Wireframe and Prototype:** Figma

• **Development:** Jupyter, Git

RELEVANT COURSEWORK (UNDERGRADUATE)

• Programming Methodology I & II

• Data Structures & Algorithms

• Machine Learning

• Database systems

(SELF-INITIATED)

• **DeepLearning.AI:** CNN, Structuring ML Projects, Supervised ML, Advanced Learning Algorithms

• **Google:** Data Analytics

• **Udemy:** Complete Machine Learning & Data Science Bootcamp

AWARDS

(2021) **Outstanding Presentation Award** out of 62 teams - RVRCA Action for Sustainability Symposium

(2020) **SMU@Computing Award**

(2020) **ASEAN Undergraduate Merit Scholarship** (NUS, NTU, SMU)

(2019) International Mathematical Modelling Challenge **Merit Award**

(2016-2019) **Singapore Mathematical Olympiad: Bronze + Honorable Mention**

LANGUAGES

English: native or bilingual proficiency

Mandarin: elementary proficiency

Thai: native or bilingual proficiency

SOFT-SKILLS

Leadership, Communication, Adaptability, Can-Do Attitude