<u>GUCON</u> Nailah Ginylle Pabilonia

Email: nailahgucon@gmail.com

Linkedin: www.linkedin.com/in/nailahgucon | Website: https://nailahgucon.github.io | GitHub: https://github.com/nailahgucon

PERSONAL INFORMATION

Citizenship: Singapore Permanent Resident

EDUCATION

Nanyang Technological University, Singapore　　　　　　　　　　Aug 2020 – May 2024 (Expected)
Bachelor of Engineering (Computer Science)
- Recipient of the ASEAN Undergraduate Scholarship
- Relevant Modules: Introduction to Computational Thinking & Programming, Data Structures & Algorithms, Introduction to Data Science & Artificial Intelligence, Algorithm Design & Analysis, Object Oriented Design & Programming, Software Engineering, Introduction to Databases

Nanyang Polytechnic, Singapore　　　　　　　　　　　　　　　　Apr 2017 – Mar 2020
Diploma in Multimedia and Infocomm Technology
Specialization: Infocomm Solutions
- Diploma with Merit, CGPA: 3.94/4.00
- Recipient of the Choo Lim Scholarship
- Recipient of Cisco Systems (USA) Outstanding Project Work (Special Graduation Award)
- Top Student Award for 1 semester
- Directors' List for all 6 semesters
- Achieved Distinction in: Object-Oriented Programming, Database Fundamentals, UX Design for Multi-Devices, Network Technology, Operating Systems, Internet Programming, Cyber Security Essentials, Internet of Things Development
- Relevant Modules: Programming Methodologies & Practices, Internet Application Development, Web Design & Development, Open-Source Web Solutions Development, Database Design & Implementation, Software Engineering Practices, Java Enterprise Development, Mobile Application Development, Web 2.0 Application Development

ACADEMIC PROJECTS

Nanyang Technological University, Singapore
Software Engineering Project　　　　　　　　　　　　　　　　　　Sep 2021 – Oct 2021
Title: Outhink Itinerary Planner
- Spearheaded a team of 5 to develop a mobile application that presents an accumulation of various Singapore tourist's attractions for users' perusal and assist them in planning a one-day itinerary plan while ensuring on-time delivery of lab deliverables that's in-line with the module requirements; Achieved an A for the module
- Collaborated with team members to design the application's Dialog Map and 3-Tier System Architecture; Documented the Software Requirements Specification Document, most notably the Functional & Non-functional Requirements, User Acceptance Tests (Black & White Box Testing) and User Manual; Programmed the Itinerary page of the mobile application that generates a one-day itinerary plan for the user based on their pre-determined tourist attractions selection and time frame given

Data Science Project　　　　　　　　　　　　　　　　　　　　　　Mar 2021 - Apr 2021
Title: TMDB Genre Prediction Mini Project
- Collaborated with 2 team members to develop and compare various types of prediction models to predict movie genre based on the movies' overview
- Performed basic data acquisition, cleaning, and visualization to analyse for specific factors that can aid in improving the accuracy of the model to obtain better movie genre predictions
- Implemented a Multi-Label Classification model using Natural Language Processing (NLP) to cater to movies that span several genres

PERSONAL PROJECTS

University Notes Blog May 2021 - Present

Title: NTU Notes Storage Web Application

- Developed a storage web application for my coding assignments and links to my notes on GitHub using Eleventy to keep track of my modules and practice my web development skills.

NUS IDEATE 2021 Hackathon 30 July 2021 – 1 Aug 2021

Title: StackLah! Mobile Application Prototype

- Performed requirement analysis of given business problem and developed a mobile application prototype using Framer that aims to utilize Near-Field Communication for rental carts in supermarkets to reduce the use of plastic bags.

WORK EXPERIENCE

Klass Engineering and Solutions Pte Ltd Aug 2019 – Sep 2019

Product Creation Team for Edge Analytics, Web Developer

- Worked on required enhancements for web-based configuration utility done during the internship
- Documented development and user guide for web-based configuration utility with Markdown

Klass Engineering and Solutions Pte Ltd Mar 2019 – Aug 2019

Product Creation Team for Edge Analytics, Web Development Intern

- Independently developed a web-based configuration utility to aid in the configuration of an application on the NVIDIA's Jetson TX2, to give authorised users a platform to easily manipulate the device's configurations and view important details within the device, using Django, Python, and SQLite
- Trained and tested of Object Detection Dataset using Darknet to gather to improve accuracy of YoloV2 model
- Designed company promotional items for career fairs using Adobe Illustrator and GIMP

CO-CURRICULAR ACTIVITIES

Nanyang Technological University Open Source Society Aug 2020 – Present

Member

- Actively participated in events held by various groups (e.g. Women in Tech) to learn more about different open source technologies and career opportunities

Nanyang Polytechnic's Community Service Club Apr 2019 – Apr 2020

Executive Committee Member

- Organized and executed outreach events for special needs, children & the elderly
- Active role in designing the promotional posters for the club's outreach events

Nanyang Polytechnic's School of Engineering Student Advocacy Club Apr 2019 – Apr 2020

Logistics Head

- Handled logistics and finances of club's freshman induction camp
- Involved in the execution of inter-school and outreach events for secondary schools

SKILLS

Languages: Proficient in English, Limited Working Proficiency in Chinese and Tagalog (Filipino)

Programming: HTML, CSS, JavaScript, Bootstrap, Python, Java, Node.js, C, PHP, MySQL

Software Applications & Frameworks: Jupyter Notebook, Google Colab, Adobe Illustrator, Adobe Premiere Pro

Online Courses: Build 20 Real World Data Science & Machine Learning Projects (Udemy), Big Data Analysis With Pandas Data Frame (Udemy)

External Certifications: -

Other Skills: Zoom, Microsoft Teams