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**SUMMARY**

A self-motivated, hardworking, and team-minded undergraduate student in computer science, I seek an internship position that will allow me to explore more in the AI, ML, and software development. I’m passionate with AI, algorithms development, software development and completed advanced projects and courses relevant to this internship position.

**EDUCATION**

**Nanyang Technological University, Singapore** Aug 2020 – Dec 2023

**Bachelor of Computer Science**

**SKILLS**

Languages: Proficient in English and Chinese

Digital Skills: Java, Microsoft SQL, Python, C, React JS, Express JS, Node JS, MongoDB, AWS Lambda function, AWS Beanstalk

Soft Skills: Collaborative, Hardworking, Responsible, Passionate

**WORKING EXPERIENCE**

**Central Provident Fund Board, Singapore** May 2021 – Now

**Web application & telegram bot – Fake News Checker**

* Admin portal website: a Flask web application using MongoDB as the database, AWS Beanstalk as the server.
* Telegram chat bot: written in Python with the functions: image comparison, automated poll creation and result collection.
* Technology used on the website: OAuth, Python Jinja, MongoDB, Bootstrap, AWS Beanstalk.
* Technology used on the chat bot: Telegram API, Hashing for image comparison, AWS Lambda function.

**IoT Project – Desk Occupancy Observer**

* Using vibration sensor to detect desk occupancy to analyse which floor is usually more occupied.
* The vibration sensors are connected to Raspberry Pi through SONOFF Zigbee dongle.
* Using AWS IoT Core as the broker to achieve connections between web control portal and Raspberry Pi
* MongoDB is used as the datacentre for datalogging and data processing.

**ACADEMIC PROJECT**

**Nanyang Technological University, Singapore** Feb 2021 – Mar 2021

**Machine learning Project – Movie revenue prediction**

* Built a model based on the relationship between genre and average vote to predict the profit of an upcoming movie
* Technology used in this project: NumPy for data cleaning, Pandas for data manipulation and analysis, Seaborn for data visualization, Sklearn for machine learning
* Tools for this project: Jupyter Notebook + Python + TMDB API

**Nanyang Technological University, Singapore** Aug 2021 – Nov 2021

**Software Engineering Project – Property resale website named as Azon**

* Planned a software development life cycle using scrum methodology to develop a property resale website for agents and potential users to trade an apartment
* Collaborated closely with a team of five other member
* Focused areas are user authentication, user profile displaying and user information updates handling
* System architecture: React JS + Express JS + MongoDB + Gov data API
* Tools for this project: Lucidchart for drawing, revising, and sharing charts and diagrams; GitHub desktop for version control using commit-pull-push; Visual Studio Code for program development

**Nanyang Technological University, Singapore** Aug 2021 – Nov 2021

**Java Project – Restaurant Reservation and Point of Sale System**

* Developed an OOP Console-based application to computerize the process of making reservation, food ordering, invoice and revenue displaying
* Steps in this project: UML diagram and Sequence diagram creation, code implementation and testing, Java Documentation generation
* Tools for this project: Eclipse for software development, Visual Paradigm for creating business modelling and code generation based on the model