Goh Jia Yi
Business Analytics Undergraduate

An enthusiastic and driven learner with a passion for data science, expected to graduate in May 2022. Able to work successfully in a fast-paced and dynamic environment with strong interpersonal and critical thinking skills. Seeking for an entry-level position to utilise my deep learning and software development capabilities.

✉ gooohjiayi@gmail.com   📍 Singapore   🔗 linkedin.com/in/gohjiayi   🌐 gohjiayi.github.io

Work Experience

Jan 21 – Jun 21   **Machine Learning Engineer Intern**
SAP Asia, Singapore
- Boosted document processing efficiency by automating classification and quality checks with 96% precision.
- Enhanced information extraction application to reach 92% accuracy through regression testing and analysis.
- Researched, designed, and implemented scalable applications.

May 20 – Aug 20   **Machine Learning Engineer Intern**
GovTech, Singapore
- Streamlined Individual Physical Proficiency Test (IPPT) processes by building an exercise detection and rep counting application.
- Proactively devised methodologies and liaised with relevant stakeholders.

Oct 17 – Mar 18   **Innovation & Strategic Partnerships Intern**
Visa, Singapore
- Provided timely strategic partners reporting to internal senior stakeholders.
- Performed market scan and analysis for Visa Ventures AP.
- Forged strong relationships with Visa's stakeholders through planning and execution of strategic events, such as the Singapore Fintech Festival 2017.

Education

Aug 18 – Present   **B.Sc in Business Analytics**
National University of Singapore

Apr 15 – May 18   **Diploma in Financial Informatics**
Singapore Polytechnic

Projects

Jul 21 – Present   **Detecting Adverse Drug Events with Deep Neural Models**
- Researching on joint entity and relation extraction models and with new representation learning techniques through the integration of knowledge graphs.

Sep 21 – Nov 21   **Building a Suicidal Text Detection Model and a Mental Health Chatbot**
- Set strategic goals and cultivated an open-minded environment within the team.
- Implemented prediction models and chatbot using transformers, attaining a 97% F1 score.

Aug 20 – Nov 20   **Predicting Flu Trends using Twitter Data**
- Coordinated stakeholders and team members to formulate proof-of-concept, achieving a 68% correlation between predictions.
- Devised classification models using Natural Language Processing methods, reaching an 80% F1 score.
- Built a dashboard to monitor live flu trends with SAP Analytics Cloud.

Competitions

Jun 21 – Jul 21 **Champion, Build On, ASEAN 2021 Singapore**
Amazon Web Services (AWS) and TechForShe

- Developed a telehealth solution for pregnant mothers to increase accessibility to care.
- Led the team of 5 to build a web application with machine learning features using React and AWS cloud-based services within 2 weeks and yielded great results.

Dec 20 – Jan 21 **1st Runner-up, Shopee Ultra Hackathon 2021**
Shopee

- Competed against 96 teams to build a mobile application to increase user engagement for the eCommerce platform within 36 hours using React Native.

Sep 20 – Oct 20 **Semi-Finalist, Adobe Analytics Challenge 2020**
Adobe

- Emerged as top 20 teams amongst 1,600 teams globally.
- Constructed and pitched data-driven recommendations based on insights generated from Adobe Analytics with large-scale real-world data.

Co-Curricular Activities

Oct 20 – Aug 21 **Machine Learning Tech Lead**
NUS FinTech Society, Machine Learning Department

- Built a React-based dashboard to monitor company performances based on sentiment analysis on relevant news.
- Frequently communicated with relevant stakeholders and oversaw the team of 3 to achieve project goals.

Oct 18 – Apr 20 **Software Developer**
NUS Sheares Hall Media, Web Subcommittee

- Automated CCA transcripts generation for 500 residents annually with Excel VBA.
- Improved information flow between residents and excos by building an intranet web application with React.

Technical Skills

Deep Learning

Data Analysis

Application Development

Database Management

Big Data Technologies

Soft Skills

Problem Solving

Leadership

Public Speaking

Communication

Agile and Scrum

Achievements

2019 **Smart Nation Scholarship**
GovTech, Singapore

2018 **Gold Medallist and Valedictorian**
Singapore Polytechnic

2015 **Infocomm Polytechnic Scholarship**
IMDA, Singapore

Languages

English ●●●●●
Mandarin ●●●●◐
Korean ●●●○○

Programming Languages

Python, R, Java, JavaScript, SQL