Budi **Ryan**

SOFTWARE ENGINEERING / DATA SCIENCE

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Experience

Shopee
BACKEND SOFTWARE ENGINEER

DKI Jakarta
Jul. 2018 - Present

- Built robust & reliable backend microservices for various high-traffic and demanding backend projects
- Highlight projects: Shopee's "Golden Ticket", Event Ticket Processing, Notification Service, Shopee's Ramadhan Infographic
- Stacks: Golang, Beego framework, MySQL, CloudSQL, Redis, RabbitMQ, Google Pubsub, Docker, Kubernetes

Kaggler
MY HOME

DKI Jakarta
Aug. 2018 - Present

- I am an active competitor at kaggle.com (an online platform hosting data science competitions)
- See projects section for more details

Institute for Pure & Applied Mathematics
RESEARCH INTERN & PROJECT MANAGER

Hong Kong
Jun. 2017 - Aug. 2017

- Project: "Efficient Communication in Distributed Machine Learning" sponsored by Microsoft Research Asia
- Investigated the effect of communication frequency in distributed Stochastic Gradient Descent (SGD)
- Performed the experiment on Logistic Regression, Convolutional Neural Network and Long-Short Term Memory RNN
- Stacks: CNTK, Python

Altitude Labs
SOFTWARE ENGINEERING INTERN

Hong Kong
May 2016 - Aug. 2016

- Wrote MySQL database integration code using Django Web Framework.
- Wrote basic REST APIs using Django REST Framework.
- Stacks: Django, Python, MySQL

Education

Hong Kong University of Science & Technology
B.ENG IN COMPUTER ENGINEERING, MINOR IN BIG DATA TECHNOLOGY - FIRST CLASS HONORS

Hong Kong
Sep. 2014 - Exp. May. 2018

- Highlight courseworks: Object Oriented Programming & Data Structures, Design & Analysis of Algorithms, Database Management Systems
- Activities & Societies: HKUST Robotics Team, Engineering Student Ambassador

Georgia Institute of Technology
EXCHANGE PROGRAM IN COMPUTER SCIENCE - GPA: 3.75

Atlanta, Georgia, USA
Aug. 2016 - Dec. 2016

- Highlight courseworks: Introduction to Artificial Intelligence, Machine Learning, Design & Analysis of Algorithm
- Activities & Societies: Georgia Tech eSports, Georgia Tech Big Data Club, Georgia Tech Intramural Soccer

For-Fun Projects

PetFinder.my Adoption Prediction Competition
KAGGLE

- Task: Predict the adoptability of pets - specifically, how quickly is a pet adopted
- Leveraged ensembled models consisting of: boosted decison trees, random forrest and ridge regression running on 10-fold Cross Validation
- Achieved silver medal by ranking top 2% on private leaderboard

Quora Insincere Questions Classification
KAGGLE

- Task: Develop models that identify and flag insincere questions
- Leveraged deep learning, specifically LSTM and dense neural networks
- Achieved top 14% on private leaderboard

Skills

Programming / Markup Languages	Python(fluent), Golang(fluent), HTML(familiar), CSS(familiar), JavaScript(beginner)
Backend Web Engineering	Django, Flask, Beego, MySQL, Redis, RabbitMQ, Google Pubsub, Docker, Kubernetes
Data Science	Numpy, Pandas, PyToch, Keras, XGBoost, LightGBM, Sklearn