

Budi Ryan

SOFTWARE ENGINEER

Jalan Mayang Permai 2 no. 28, DKI Jakarta, Indonesia, 14460

☎ (+62) 87886267399 | ✉ budiryan@gmail.com | 📱 budiryan | 🌐 budiryan

📁 Experience

Gojek

SOFTWARE ENGINEER

DKI Jakarta

Aug. 2019 - Present

- Maintained & developed new features for GO-SHOP's order management system
- Bootstrapped GO-LAUNDRY's runnr allocation system in Golang
- Stacks: Golang, Ruby on Rails, PostgreSQL, Redis, Apache Kafka

Shopee

SOFTWARE ENGINEER

DKI Jakarta

Jul. 2018 - Aug. 2019

- 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

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

2014 - 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

</> 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 decision trees, random forest and ridge regression running on 10-fold Cross Validation
- Achieved silver medal by ranking top 2% on private leaderboard

Jigsaw Unintended Bias in Toxicity Classification

KAGGLE

- Task: In this competition, build a model that recognizes toxicity and minimizes this type of unintended bias with respect to mentions of identities
- Leveraged deep learning, specifically LSTM and state-of-the art NLP model such as BERT
- Achieved silver medal by ranking top 3% on private leaderboard

⚙️ Skills

Programming / Markup Languages

Python(fluent), Golang(fluent), Ruby(familiar), HTML(familiar), CSS(beginner), JavaScript(beginner)

Backend Web Engineering

Django, Flask, Beego, MySQL, Redis, RabbitMQ, Google Pubsub, Docker, Kubernetes

Data Science

Numpy, Pandas, PyToch, Keras, XGBoost, LightGBM, Sklearn