Tavish **Gobindram**

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EDUCATION

Hong Kong University of Science and Technology   Sept 2015 – May 2019
BEng. **Computer Science** with **Math** Minor, GPA: 3.24 / 4.0
- *Awards*: Dean's List (Fall '17), Recruitment Scholarship (Fall '15)
- *Relevant Coursework*: Algorithm Design & Analysis, Honors Software Engineering

University of Waterloo   Jan 2018 – Apr 2018
Exchange Student, Mathematics Dept.
- *Relevant Coursework*: Concurrency & Parallel Programming, Machine Learning

EXPERIENCE

Kata.ai, *Machine Learning Intern*   May 2018 – Aug 2018
- Configured, executed and analyzed over **1k** machine learning experiments using Sacred to optimize model performance
- Implemented Bi-LSTM with Variational and Embedding Dropouts (Gal et al.) in Pytorch
- Developed strong baseline for Indonesian Named Entity Recognition (NER) using Conditional Random Field (CRF)

Riotly Social Media, *Data Science Intern*   Jun 2017 – Aug 2017
- Built Random Forest Classifier for identifying fake Instagram accounts with balanced accuracy of **83%**
- Gained experience aggregating crowd-sourced labels from Amazon Mechanical Turk (GLAD, Dawid-Skene, Majority Vote)
- Profiled MongoDB database and sped up queries by **70%** through indexing and splitting collections

Electronic Engineering Dept. @ HKUST, *Undergrad Research Assistant*   Feb 2017 – May 2017
- Built Android app and NodeJS + Rosbridge backend to enable remote control of a robotic tour guide

Grouptap Limited, *Android Development Intern*   Jun 2016 – Jul 2016
- Developed and designed an Android application to discover social events and chat with event attendees
- Used Volley for network requests, Socket.io for chat and SQLite and device's file storage to manage data

PROJECTS

FavEx – *On-demand Deliveries*   Dec 2016 – Jan 2017
- Developed an Android application and supporting NodeJS backend for on-demand deliveries within a university campus
- Awarded **1ˢᵗ Place** at University-wide Annual Mobile App Development Contest

IndoInternships – *Indonesian Internship Portal*   Aug 2018 – Present
- Spearheaded development of a ReactJS-powered internship portal to connect students with Indonesian companies
- Configured job search with Elasticsearch and scraped job postings using Selenium and Beautiful Soup

Vii – *Your Digital Travel Agent*   Oct 2017 – Nov 2017
- Developed a travel agent chatbot with a Java Spring backend using the LINE API, Dialogflow and Clarifai
- Heavily practiced Test-Driven Development with Junit and AssertJ

VOLUNTEERING

180 Degrees Consulting @ HKUST, *Project Manager & Consultant*   Feb 2016 – Apr 2017
- Led 10 consultants in developing fundraising strategies tailored to high net-worth donor subgroups for Room to Read HK
- Conducted analysis on HK's elderly population and travel industry to develop expansion strategies for Eldpathy, a local NGO

TECHNICAL SKILLS

Programming Languages: Python • C++ • Java
Data Science/ ML: Pandas • Matplotlib • Scikit-Learn • Keras • Pytorch
Misc: Android • Spring • ReactJS • NodeJS • MongoDB • Elasticsearch • Arduino