Eligible for H-1B1 Visa (FTA)

SEAN NG PENG NAM

seanngpengnam@u.nus.edu | +65 97264799 | Github: pengnam | Website: pengnam.github.io

Education

National University of Singapore
B. Computing (Com Science)
University Scholars Program
Second Major in Statistics
Aug 2017 – Dec 2020

National Junior College
Integrated Program

Intended Coursework

Computer Science
Distributed Systems
Artificial Intelligence
Parallel Computing

Statistics
Bayesian Theory
Regression Analysis
Monte Carlo Methods

Current CAP 4.81 out of 5.0

Skills Summary

Familiar:
Python | Java | Golang

Experienced:
HTML & CSS | SQL | NoSQL | Linux | C | Javascript | Tensorflow | Docker

Awards

Graduate Speaker - High Sch
Silver – Singapore Math Olym.

Experience

Garena | *SOFTWARE ENGINEERING INTERN* *(Incoming Summer `19)*

99.co | *SOFTWARE ENGINEERING INTERN* *(May 2018 – Aug 2018)*
Property tech start-up funded by Sequoia, Quest Ventures, 500 Startups and Eduardo Saverin
- Developed and deployed company's data pipeline system (Airflow, Tornado, MongoDB)
- Improved operational functions by parallelizing processes that decreased upload time by 35% (Tornado, Python)
- Developed tools to collect application metrics, alert staff during crises (Python)

NUS | *TEACHING ASSISTANT* *(January 2018 – Present)*
Teaching assistant in programming methodology module
- Marked assignments, created missions used by several hundred students every year

NUS Datathon | *2ND PLACE* *(December 2017 – January 2018)*
- Created machine learning model that predicted timeseries data with 93% accuracy and no lag using proper pre-processing of data, transformations, stacked auto-encoders and MLP (Python, Caffe)

Computational Chemistry Research | *Researcher* *(2010-2014)*
- Simulated models using shell scripting and gradient descent
- Published paper in *Scientific Reports, Nature*
- Presented at post-graduate conferences, locally and overseas

Projects

Gandalf:
- Real-time visualization of all aircrafts in the world
- Microservices based architecture(docker), Kafka and websockets as data pipelines, Avro for serialization, and deckGL for front-end

TaxiBros:
- Web dashboard that determines and guides users to a better location to hail a taxi and displays statistics and relevant graphs for taxi routes
- Build with Django, GoogleMaps API, D3.js

cinnabot:
- A telegram bot built in Golang currently in use by NUS students
- Around 140 users per week, 0 downtime

Kaggle
- Data science competitions platform that I participate in
- https://www.kaggle.com/pengnam