Sean Ng

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EDUCATION

NATIONAL UNIVERSITY OF SINGAPORE
Bachelors of Computing
May 2017 - July 2020
CAP: 4.81 / 5.0

NATIONAL JUNIOR COLLEGE
Highschool
Graduate Speaker

LINKS

Github:// **pengnam**
LinkedIn:// **debarghyadas**

COURSEWORK

COMPUTER SCIENCE
Machine Learning
Distributed Systems and Algorithms
Information Retrieval

STATISTICS
Bayesian Inference
Regression Analysis
Monte Carlo Methods

SKILLS

PROGRAMMING
Over 5000 lines:
Java • Shell • Python • Javascript
OCaml • Matlab • Rails • LaTeX
Over 1000 lines:
C • C++ • CSS • PHP • Assembly
Familiar:
AS3 • iOS • Android • MySQL

AWARDS

EXPERIENCE

GARENA | Software Engineering Intern
Incoming May 19 | Singapore

99.CO | Software Engineering Intern
May 2018 - Aug 2018 | Singapore
- Developed and deployed company's data pipeline system. (Airflow, Python)
- Developed tools that collect application metrics, alert staff during crises. (Python)
- Wrote web crawlers for key services (Python)

NUS | Teaching Assistant
Jan 2018 - Present | Singapore
- Conducted tutorials to undergraduate students, marked assignments, created missions used by over hundreds of students yearly.

NUS DATATHON | 2nd Place
Jan 2013 – May 2013 | Singapore
- Created machine learning models that predicted timeseries data with 93autoencoders and MLP.

PROJECTS

GANDALF | Real-time visualisation of all aircrafts
Microservices based architecture (Docker), Kafka, websockets, DeckGL for front-end.

TAXIBROS | Web dashboard for taxi travels
Determines a better location to hail a taxi, and display statistics and relevant graph for routes. Built with Django, GoogleMaps API, D3.js.

GANDALF | Real-time visualisation of all aircrafts
Microservices based architecture (Docker), Kafka, websockets, DeckGL for front-end.

AWARDS

Year	Rank	Award
2014	top 52/2500	KPCB Engineering Fellow
2014	1st/50	Microsoft Coding Competition, Cornell
2013	National	Jump Trading Challenge Finalist
2013	7th/120	CS 3410 Cache Race Bot Tournament
2012	2nd/150	CS 3110 Biannual Intra-Class Bot Tournament
2011	National	Indian National Mathematics Olympiad (INMO) Finalist

PUBLICATIONS