

AARON SING WO PANG

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Current Yale-NUS College student highly experienced in programming, data analysis and research. Dynamic communicator with proficiency in English, French and Chinese. Extensive research experience and technical background with proven track record of leading teams and managing projects.

EDUCATION

YALE-NUS COLLEGE	2014 – 2018 (Expected)
Bachelor of Science (Honours) , Mathematical, Statistical and Computational Sciences	Singapore
<ul style="list-style-type: none">Cumulative GPA: 4.11/5.00; Major GPA 4.74/5.00	

YALE UNIVERSITY	2017
Study Abroad Participant	New Haven, CT

SKILLS

Languages : Python, C, Java, OCaml, R, Ruby, PHP, LaTeX, SQL, ARM Assembly

Frameworks : Flask, Django, Ruby on Rails, MongoDB

Libraries : TensorFlow, Bootstrap, React, Theano, Scikit-Learn, Pandas

Tools : AWS, ArcGIS, RStudio, Bash, Git

EXPERIENCE

YALE UNIVERSITY, Language, Information and Learning Program	Jan 2017 – June 2017
Researcher	New Haven, CT
<ul style="list-style-type: none">Implemented a search functionality on 20 years of NLP research papers using PHP and Lucene.Improved HTTP access times by 70% on All About NLP (AAN) website by adding caching functionality and optimizing SQL queries.	

BHATTACHARYA SPACE ENTERPRISE	2015 – 2017
Intern	Singapore
<ul style="list-style-type: none">Raised \$100,000 with a former NASA engineer for a start-up to launch cube satellites.Organized the 2016 Global Space & Technology Convention for 500 multinational companies.	

PROJECTS

Event Visualizer (Python – Django, React Native)

- Django app with Facebook authentication and basic CRUD functionality to manage on-campus events.
- Implemented a mobile version of the app using React Native in a team of four.

Emoji Translator (Python – TensorFlow, Flask)

- Web app that takes in input text and adds emoji's in appropriate locations.
- Trained using a bi-directional GRU on Twitter data.

Bicycles Heat Map (HTML/CSS, Google Maps) [Link](#)

- Implemented a heat map using Google that visualizes bicycle usage amongst donor children for an NGO based in South Africa.

LEADERSHIP & VOLUNTEER EXPERIENCE

YALE-NUS COLLEGE CYCLING	2015 – Present
Treasurer	Singapore
<ul style="list-style-type: none">Managed S\$ 5,000 budget to purchase team equipment and coordinate initiatives.Oversee logistics for team races and trips; organize weekly group rides and cycling workshops for 50 people.	

QHUBEKA FOUNDATION	2016
Intern	Johannesburg, South Africa
<ul style="list-style-type: none">Raised over \$1 million in donations to procure 5000 bicycles for children at a non-profit organization.Automated donation receipts using Python Flask, saving 10 hours per week in manual QA work.Worked on a team of five to create Qhubeka's first digital fundraising event with 1000+ participants.	

- Designed and directed corporate social responsibility event for Deloitte and Dimension Data executives to visit primary schools alongside local media outlets to raise funds.

ELM COLLEGE COUNCIL

2015 – 2016

Elected Member

Singapore

- Managed S\$ 8,000 budget and distributed funds to facilitate events for 500+ college students.