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
- 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
- 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
- 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
- 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
- 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.