

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, Theano, Scikit-Learn, Bootstrap, 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 companies worldwide.

PROJECTS

JP Morgan University Coding Challenge (Python, HTML/CSS, Bootstrap)
• Collaborated on a team of three to visualize optimal currency exchange routes using Flask.
• Selected as runner-up amongst 50 participants.

NotStone (Java, C) [Link](#)
• Created a Hearthstone clone with basic AI and conformed to OOP design and principles.

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.