

syedabdullah

GitHub: Skaty | syed@syedabdullah.net | LinkedIn

Citizenship: Singapore. Eligible for US **H1-B1-Singapore** (FTA Visa)

Familiar with: C, C#, PHP, Python, Java, HTML, JavaScript, SQL, \LaTeX , Erlang, Django, Laravel, Spring, AngularJS

education

National University of Singapore	Bachelor of Computing (Computer Science)	2015 – 2019 GPA: 4.6/5.0
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- Awarded the NUS Undergraduate (Merit) Scholarship – a **university-wide, merit-based, bond-free** scholarship
- Participating in the University Scholars Programme (USP), a **honors college** in NUS
- **Dean's List** for Semester 1 of AY2017/18
- USP Peer Mentoring Programme **Co-ordinator** in AY2016/17.

experience

Facebook (Menlo Park, California)	Software Engineering Intern	May 2018 – Aug 2018
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- Platformization work under the Care Tools team (Community Integrity).
- Created tools to improve moderation and enforcement of **Facebook's Community Standards**

NUS School of Computing	Teaching Assistant	Aug 2016 – Nov 2017
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- Teaching Assistant for the following modules – Programming Methodology (CS1101S), Computer Organization (CS2100), Software Engineering (CS2103), Intro Programming in Python & C (IT1007) & Intro to Operating Systems (CS2106).

ViSenze	Software Engineering Intern	May 2017 – Aug 2017
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- **Sole full-stack developer** of visual AI recognition and search evaluation system. Developed, document and deployed system & associated metric calculation algorithms to aid researchers & analysts in evaluating AI performance.
- Refactored data access layer. **2X speedup** achieved for all database-intensive tasks.
- Added support for multiple groundtruth experiments on system, with **major iterative restructuring** of code, database schema and workflow **to ensure backward compatibility**.
- **Technologies:** Java, Spring Framework, JPA (Criteria + JPQL), HTML/CSS/JS, AngularJS, Jenkins, Marathon

ShopBack	Software Engineering Intern	May 2016 – Aug 2016
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- Planned & implemented new features for flagship website, using React/Redux/Angular, PHP (Laravel & CodeIgniter)
- Develop website crawlers in Python from scratch. Ensured that system is **massively parallel** for fast & efficient crawling. System deployed and has crawled **over 10 million** product pricing & metadata from partner merchants

CAMRI, NUS Business School	Student Developer	2015 – 2017
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- Redeveloped data walls software displaying financial information from Bloomberg API. Utilized Web Sockets with lightweight Python socket backend instead of poll-based system and **improved uptime** of system from **70% to 97%**.
- Redevelop CAMRI's Retirement Calculator from scratch to utilise Vue with Flask backend. Reduced number of API calls to 1, irrespective of the number of calculations made by user.

projects & activities

- (2017) **Assistant instructor** at Saturday Kids. Taught Scratch/Python to kids from disadvantaged backgrounds
- (2015 – 2018) NUS Computing Club – sysadmin & developer. Worked with CentOS, nginx, Python.
- (2017) [**GitHub:** PowerPointLabs/PowerPointLabs] PowerPointLabs – a PowerPoint add-on written in C#. Developed Pastelab – enhanced paste functionality. **Worked around limitations/constraints** of Office SDK.
- (2016) Taught Expository Writing to high school students in the USP thINK Mentorship Programme
- (2015) [**GitHub:** NUSComputingDev/gfp] NUS Computing Club: Sole developer of game scoring system in Python
- (2013) **Distinction** for NTU H3 Semiconductor Physics and Devices
- (2009) [**GitHub:** SAMPCE/SAMPCE] Code Editor for GTA San Andreas Multiplayer developed in C#