Fan Pu Zeng

SOFTWARE ENGINEER

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Summary

I am currently a student at Carnegie Mellon who is looking to experience interning in a large company after a very productive stint at Saleswhale which provided me the opportunity to see the inner workings of a seed round startup. I am interested to learn software engineering practices in large teams and work on large-scale problems. I have substantial web development experience in production and working in cross-functional teams during my time in Saleswhale. I love startups, DevOps, automating things, and I am a big fan and user of Arch Linux.

Work Experience

Saleswhale (YC S16)
Singapore, Singapore

JR. SOFTWARE ENGINEER
Nov. 2017 - Aug. 2018

- Developed core product features and bug fixes for the main Saleswhale app in Ember.js and Rails
- Architected and built an internal tool from scratch with Ember.js and Rails to empower our customer success team in performing account onboarding, management, reporting, and insights
- Built and automated the deployment of a testing framework micro-service in Rails from scratch to mock the asynchronous operations of another micro-service
- Developed and retrieved actionable business intelligence with Tableau
- Research on applying Deep Convolutional Generative Adversarial Networks for face generation
- Help with hiring and onboarding new software engineers

SWAT
Singapore, Singapore

RESEARCH INTERN
Jan. 2017 - Mar. 2017

- Investigated the best methods of clustering large transport data to identify datapoints to drive insights for the company's expansion strategy.
- Research report included details on data exploration and cleaning, data transformation, comparison of clustering algorithms (K-means, K-medoids, DBSCAN, Hierarchical clustering), and optimization of clustering parameters.
- Developed an end-to-end solution in R to perform the above.

Hwa Chong Institution
Singapore, Singapore

INSTRUCTOR
Oct. - Dec. 2016, Oct - Dec. 2017

- Instructor of Hwa Chong Institution's (HCI) Informatics Olympiad team
- Conducted weekly lectures and practice contests for around 20 students to prepare them for the National Olympiad in Informatics (NOI)
- Achieved best ever performance in 2018, with 6 Golds and 3 Silvers from a team of 10. HCI was also ranked first in Junior College category

Singapore Armed Forces
Singapore, Singapore

COMPANY QUARTERMASTER SERGEANT
Jan. 2016 - Nov. 2017

- Commands and oversees the logistics division in 'J' Company, Specialist Cadet School
- Ensure the requisition, accounting, maintenance, and distribution of supplies to troops

Honors & Awards

2018	**First Place**, Home Invasion 2018 (IoT-CTF)	*Singapore*
2018	**Silver Award**, Cyber Defenders Discovery Camp	*Singapore*
2018	**Winner, People's Choice**, NUS Hack&Roll 2018	*Singapore*
2015	**Silver Award**, National Olympiad in Informatics	*Singapore*
2015	**Gold Award (Equity Portfolios: Essentials of a Winning Portfolio)**, Singapore Science and Engineering Fair	*Singapore*
2014	**Champion, Best Use of Open Data**, Splash Awards	*Singapore*
2014	**Commendation (Evaluation of Suitability of Subatomic Particles for Radiation Therapy, and Building and Calibrating Lead Scintillator for Muon Detection)**, CERN Beamline Proposal Competition	*Singapore*

Education

Carnegie Mellon University
Pittsburgh, PA, USA

B.S. IN COMPUTER SCIENCE
Aug. 2018 - Expected May. 2022

- Enrolled in the School of Computer Science