QUANG V. HUYNH

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EDUCATION

GEORGIA INSTITUTE OF TECHNOLOGY   **Atlanta, GA**
M.S. Computer Science, specialization in Computing Systems   expecting May 2021
Main Courses by graduation: Advanced OS, Graduate Algo, Distributed Computing, Machine Learning

NATIONAL UNIVERSITY OF SINGAPORE   **Singapore**
Bachelor of Computing, Computer Science   June 2014
*Won **First Prize** and **Popular Choice Award** at Hack&Roll 2014*

TECHNICAL SKILLS

- ❖ **Programming**: Proficient in Python; exposure to Javascript, Golang, Java, Ruby
- ❖ **DevOps**: AWS, Jenkins/CircleCI, Docker, Ansible, Terraform, Shell Script
- ❖ **Other**: Linux (Manjaro/Arch, Ubuntu, Centos), PostgreSQL, Redis, Git, Vim, Tmux, i3wm

WORK EXPERIENCE

FUNDING SOCIETIES - *Senior Software Engineer, DevOps*   Apr 18 - Aug 19, Singapore
- ❖ Replaced old AWS setup with a more maintainable and secure cluster, co-ordinated different teams to carry out the migration with minimal impacts. Technology: AWS ECS, Terraform, Bash.
- ❖ Improved observability over API calls by replacing legacy API gateway with Kong (project team of 2). Technology: Kong Gateway, AWS EC2/ALB, Ansible, Python, Datadog.
- ❖ Setup and maintained our CI/CD pipelines using Docker, CircleCI, Confluence, Github, Coveralls.io.
- ❖ Championed "Developer Experience" track, was given the resources to drive efforts to improve developer efficiency.
- ❖ Involved in the hiring process: revised our interview evaluation criteria, conducted interviews and provided guidance and support to new hires.

SHOPEE - *Software Engineer*   May 16 - Dec 17, Singapore
- ❖ Used profiler and caching techniques to optimize checkout endpoints by 8-12 times, reducing response time from seconds to sub 250ms, serving millions of API calls per day. Technology: Python, cProfile, pyprof2calltree, Redis
- ❖ Integrated with 3rd-party Logistics providers API, served 10s of millions of transactions in 2017. Technology: Python, Django, Celery, RabitMQ.
- ❖ Resolved complicated production issues such as Gunicorn workers stuck in a deadlock, tasks in distributed task queues being lost or overdue.

KLOUDSEC - *Software Engineer*   Dec 14 - Apr 16, Singapore
- ❖ Wrote a module to acquire DV SSL certificates from Let's Encrypt, keeping 250+ websites secure. I came up with a strategy to renew/acquire SSL certificates, maximizing limited quota allowance. Tech stack: Ruby on Rails, Redis.
- ❖ Wrote an asynchronous actor-based web crawler with multiple configurable quotas and throttling constraints, fetched and stored ~10k pages on disk. Tech stack: Ruby, Celluloid.

NATIONAL UNIVERSITY OF SINGAPORE - *Teaching Assistant*   2013, Singapore
- ❖ Hosted lab sessions, helped students with Unix programming assignments
- ❖ Graded exams for CS2106: Intro to OS