Tony Tang

tonycantang@gmail.com
+44 7412974261

EXPERIENCE

Improbable, *London, UK* **Jul 2017 – Present**
Infrastructure Software Engineer
- Leading the design and migration of NoSQL datastore to cloud-agnostic PostgreSQL to improve performance when querying customer data while offering over high availability of 99.999% uptime
- Mentoring an intern to design, implement, and deploy production ready distributed systems written in Go on Kubernetes with ElasticSearch for logging, and Prometheus for metrics and alerting
- Built continuous deployment pipeline in Jenkins eliminating 2 hours of manual work, allowing bugs to be immediately identified, and leading to the discovery of flaky integration tests
- Designed A/B testing configuration management tool using React and Redux to minimize human error
- Gathered technical requirements from customers to design products tailored for their experience

Google – Nest, *Palo Alto, California* **May 2016 – Sep 2016**
Real Time Services – Software Engineer Intern
- Deployed Cassandra database querying system for perform data analysis of over 3 million IoT device
- Improved engineer's productivity by implementing a new API that removed 3 extra steps in workflows
- Refactored Scala services to use Dependency Injection to simplify testing and code modularity

Snapsale, *Oslo, Norway* **Sep 2015 – Dec 2015**
Backend – Software Engineer Intern
- Dockerized machine learning backend allowed engineers to deploy every day instead of every week, and reducing deployment time down to 5 minutes from over 1 hour
- Architected continuous integration pipeline on Jenkins with Github to eliminate buggy code from merging
- Reduced response time of machine learning APIs from 1000ms to 130ms by caching files and libraries

Medallia, *Palo Alto, California* **May 2015 – Aug 2015**
Frontend – Software Engineer Intern
- Increased user engagement and experience by developing an Express middleware to A/B test frontend UI
- Reduced site load time from 5s to less than 1s by hacking git revision to cache file in clients' browser

EDUCATION

Bachelor of Computer Science, Honours, Co-op **2017**
University of Waterloo, *Waterloo, Canada*

PROJECTS

Bitcoin Algorithm Trading – Utilizing GDAX API to process and analyze thousands of bitcoin price updates to make optimal trades. *Tools: Scala, Google Compute Engine, GDAX API*

PayToPotty – Hackathon winning app developed with a team using location services and Google Maps API to find nearby bathrooms rented out by others. *Tools: Meteor.js, bootstrap.js, Google Maps API*

LANGUAGES & TECHNOLOGY

- **Languages:** Go, Java, Python, JavaScript, Node.js, Scala, C/C++, Bash
- **Infrastructure:** Docker, Kubernetes, Terraform, Prometheus, ElasticSearch, Jenkins, Bazel, Amazon Web Services (AWS), Google Cloud Platform (GCP), Git, gRPC, ProtoBuf
- **Databases:** PostgreSQL, MySQL, Cassandra, Google Cloud Datastore