Clement **Hoang**

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Skills

[**Languages**] Typescript, Javascript, HTML/CSS, Java, Scala, C#, Python, C++, C

[**Frameworks/Libraries**] React, React Native, Redux, MobX, Express, Koa, Scrapy, Django, Jest, Mocha, Node, Angular, jQuery

[**Databases**] MongoDB, MySQL, Redshift/PostgreSQL, BigQuery

[**Tools**] AWS (Redshift, S3, Lambda, Kinesis, EMR, EC2, SES, SNS), Firebase, Spark/Spark Streaming, Airflow, Jupyter, Zeppelin, Unix, Git, Webpack, Gulp/Grunt, Docker

Experience

▶ **Credit Karma** [Software Engineer]   San Francisco, June 2018 - now
- Tech lead responsible for driving Identity Monitoring and Credit Lock front-end engineering
- Improved developer efficiency by adding developer experience devices including automatic code formatting, improved tests, better typing, and a hot-reloading development server with mocks
- Kept front-end team aligned around planning, scoping and timelines, while delivering features and mentoring junior engineers

▶ **Facebook** [React Engineering Intern]   Menlo Park, Sept 2017 - Nov 2017
- Championed the release of React Fragments with React v16.2
- Prepared ecosystem for JSX fragments by submitting pull requests to open source libraries such as Babel/Babylon and reaching out to maintainers of popular Javascript libraries for collaboration
- Made proposals and prototypes for various forms of JSX generator expressions

▶ **Memebox** [Data Engineering Intern]   Seoul, Jan 2017 - Apr 2017
- Maintained stable data pipelines built with Spark and Spark Streaming, with Airflow for scheduling (50+ GB data flow daily)
- Built real time data visualization and alerting tools
- Wrote data extraction tool for external sites using Scrapy that automatically refreshes for stale data periodically
- Extracted keywords from Korean text for tagging products

▶ **Zenreach** [Software Engineering Intern]   Toronto, May 2016 - Aug 2016
- Contributed major updates to react-quill project with 1.3k stars on Github
- Created interactive visualizations for customer data, improving browser coverage to over 99%
- Built drag and drop email composer using React with Django, with event tracking infrastructure and behavioural analytics

▶ **Datera** [Software Engineering Intern]   Mountain View, Sept 2015 - Dec 2015
- Built interactive API explorer using the JSONSchema standard with AngularJS
- Added core features to an in-house Javascript SPA framework including duplex streams for model access and React support
- Designed and built admin panel for a distributed storage system

► **Ten Thousand Coffees** [Software Engineering Intern]   Toronto, Jan 2015 - May 2015

- Improved user retention on platform by using Mandrill for transactional and digest emails with Segment.io for analytics tracking
- Made email verification architecture stateless by switching manually generated bcrypt verification tokens to JWT
- Redesigned the entire messaging system to support multiple participants and an user-friendly scheduling system that was pushed to production
- Added internationalization support for the entire application with angular-translate

► **Objectifi** [Web Development Intern]   Toronto, Apr 2014 - Aug 2014

- Enhanced robustness of financial software used by major banking corporations worldwide by fixing database and UI defects
- Wrote E2E regression tests with a web interface that allowed company employees to configure and run tests on different staging environments with real-time logs
- Improved company workflow by over 30% by automating daily tasks such server updates, builds, maintenance, and server monitoring

Projects

► **Coastline Market**

- Worked with clients to build and design scalable technology solutions to connect seafood restaurants with fishermen, reducing the cost from middlemen
- Used NodeJS, MongoDB, React Native, Socket.IO, Material Design

► **LUQL**

- Worked with small team to build and maintain LUQL, a platform where locals create and guide experiences for adventure seekers, enthusiasts, and travellers
- Built with Google Cloud Platform, Firebase, React, React Native, and NodeJS

Hackathons

► **Pokidex** Winner at AngelHack Silicon Valley 2016

- Mobile app where users can easily view important health insurance data and search for in-network healthcare providers
- Used Swift, MongoDB, NodeJS

► **Query** Winner at HackingEDU 2015

- Pebble and web app that provides a real-time collaborative classroom layer on top of university lectures
- Used Angular, ExpressJS, Socket.IO, Pebble SDK, Clusterpoint Cloud Database API

► **Amusement** Winner at HackWestern 2015

- App that analyzes your mental state while driving and keeps it healthy via controlling your music playlist
- Used Angular, ExpressJS, Spotify API, Muse SDK

► **LookUp** Winner at NASA SpaceApps 2015

- iOS and Pebble app that displays live feed of transient space events
- Used Objective C, Pebble SDK, ExpressJS, Cheerio.js

Education

► **University of Waterloo**   September 2013 - April 2018

- Bachelor of Software Engineering

Awards

2016	PokitDok API Winner at AngelHacks Silicon Valley
2015	Clusterpoint API Winner at HackingEDU
2015	Honourable Mention and Best Pebble Hack at NASA SpaceApps
2015	Best Muse Hack at HackWestern
2014	Dean's Honours List at University of Waterloo
2013	President's Scholarship at University of Waterloo
2011	HB Blizzard Computer Science Award
2010	Top 64 in Junior Canadian Computing Competition Stage 1

Interests

I **learn** about web and startups. I **play** badminton, ping pong, League of Legends, and Tetris. I **love** tacos, anime, bubble tea, fitness, and traveling. I **hate** doing planks.