Keon Choi

Software Engineer

📞 646-520-7420 | ✉ keonch91@gmail.com | 📍 New York, NY | 📄 keonch.me | ⭕ keonch | in keon-choi

---

Experience

Go Nimbly   *Sept 2018 - Feb 2021*
Software Engineer

Consulted up to six clients, auditing companies' operational technology infrastructure, abstracting solutions tied to ROIs, providing proof of concepts and estimates

- Developed cron batch jobs and database triggers that populate a custom model representing the client's lead conversion process, improving efficiency in customer journey reporting by reducing table merges and data transforms, enabling data aggregations for new BI strategies
- Built a module that displays inventory structured by complex schemas, parsing data into a React/Redux application and significantly cutting the manual steps made on inventory lookup for sales professionals
- Developed scripts to track UTM parameters using browser cookies on landing pages, enriching data through form submission and establishing visibility onto campaign efficacy
- Produced custom interactive applications that surface a collection of prospect information onto a list UI, improving velocity funnel metrics, refining outreach and engagement strategies for inside sales

---

Skills

Python   JavaScript   React   Redux   Node   Apex   Ruby   Rails   SQL   PostgreSQL   Git   CSS3   HTML5

Projects

Where's My Train?

A single page web application that displays NYC subways moving in real-time using Google Maps & MTA APIs

- Incorporated a proxy server using Express to enable cross-origin requests between the app and MTA
- Utilized protocol buffers to ingest real-time data by decoding GTFS feeds fetched from MTA datamine
- Maintained persistent and predictable state by centralizing subway data using Redux and Reselect libraries
- Synced LatLng computation and component animation using rAF API to optimize processing load on browser

No Basecase

A full-stack web application inspired by Stack Overflow that features CRUD functions for Questions & Answers

- Implemented ActiveRecord's polymorphic association to reduce tablespace and maintain DRY code
- Utilized Quill library to enable users to input rich texts within Question and Answer forms
- Featured user auth by generating passwords and session tokens using BCrypt and SecureRandom modules

Calendar

A single page web application that features CRUD functions for Events within a calendar day

- Showcased a custom monthly calendar UI/UX design using CSS Grid layout and CSSTransition library
- Handled user CRUD functions for Events using RESTful APIs built on Rails and PostgreSQL backend

---

Education

App Academy   *Jan 2018 - Apr 2018*
1000-hour immersive full-stack web development intensive

City College of New York   *Jan 2012 - June 2015*
B.E. Mechanical Engineering (FE/EIT May 2015)