James Ng, Software Engineer

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Experience

SOFTWARE ENGINEER / OPEN SOURCE CONTRIBUTOR @ NUMBERSAPI.COM – JUN 2020 - NOV 2020

• Audited the Express V2 to V4 update, fixed bugs introduced from the update.
• Refactored codebase to use modern JavaScript features, improving code readability and testability.
• Cleaned and unified the codebase by translating Ruby dependencies to the Node.js ecosystem.
• Created "Getting Started" documentation for new contributing developers, decreasing setup time.

SOFTWARE ENGINEER INTERN @ LIVESTACK.VIDEO – MAR 2020 - APR 2020

• Built a minimum viable product in under 3 weeks using React, Express, SQL, and the Stripe API.
• Reduced API calls by 66%, by optimizing SQL queries and building routes using Express to handle API requests.

ACCOUNT REPRESENTATIVE @ STATE FARM – JUN 2018 - SEP 2019

• Owned the entire client lifecycle, through lead generation, purchase, and policy maintenance/review.
• Developed effective communication skills, uncovered further client needs, leading to 2 more policies per client.

DATASET OPERATIONS COORDINATOR @ CRUISE AUTOMATION – NOV 2016 - FEB 2018

• Owned the vision labeling dataset pipeline. Made queries to ensure team performance and accuracy over time.
• Scaled the data labeling team from 4 to 200 by documenting best practices and opening communication channels.
• Increased production from 1 hr of data/month to 1 hr of data/day by calling for new features and bug fixes.

Projects

SOFTWARE ENGINEERING FELLOW @ FORMATION

Dived deep into data structures and algorithms, collaborated with other engineers to learn and help fill technical knowledge gaps. Made new features and bug fixes to the Recur Online learning codebase.

SANDRA THE SENSOR BOT – PYTHON, FLASK, TWITTER API, TWILIO & MORE – TWITTER.COM/SANDRA_THE_BOT

Sandra the sensor bot is my Twitter bot/robot that reads my room humidity, air pressure, and temperature, and tweets about the conditions. It also tells jokes and random facts. Challenges include integrating hardware with software.

WEATHERWEAR – REACT, REDUX, EXPRESS, POSTGRESQL, OPENWEATHER API – WEATHERWEAR.JAMESNG.DEV

WeatherWear checks on the weather, and makes a clothing recommendation based on the temperature, wind speed, precipitation, and other conditions. Past recommendations from around the world are also visible. Technical challenges include familiarizing myself with a new API.

JOBLY – REACT, EXPRESS, POSTGRESQL – JOBLY.JAMESNG.DEV

A job posting site that retrieves jobs and companies from a database, and lists them. Allows users to log in and apply. Technical challenges include handling authorization & authentication.

Education

San Francisco State University – B.S, Business/Marketing, 2016

Rithm School – Full Stack Software Engineering, Certificate, 2020

Skills

• JavaScript • Node • Python • React • Redux • Express • Flask • PostgreSQL • SQL • HTML • CSS