

Highly adaptable, hands-on software engineer skilled in **communicating effectively** with stakeholders to deliver **impactful, high-quality work** using **modern web development frameworks**.

## skills

**Programming** | Python TypeScript JavaScript C++ Java C R SQL

**Frameworks and Tools** | React Flask Angular Django Node.js PHP HTML CSS AWS Git

**Language** | Chinese English Taiwanese Japanese

## experience

**Vault Health** | New York, NY

January 2021 - Present

### Software Engineer

- Deliver time-sensitive and high-volume (2+ million orders/day) features, ranging from record-keeping to appointment scheduling, working with a team of 50 engineers and 5 product managers utilizing React, Flask stack with GraphQL
- Engineer, build, and optimize critical online infrastructure for Covid testing and vaccination workflows used by 5+ states, 7500+ organizations, 3500+ practitioners, and millions of individual customers across the US
- Enabled scalable company growth by redesigning and fully automating appointment scheduling workflow
- Expedited adoption of innovative payment solutions by leading engineering spikes for integrating third party processors
- Assist internal stakeholders in triaging and diagnosing platform issues during assigned rotations

**CultureIQ** | New York, NY

April 2018 - December 2020

### Software Engineer

- Designed, built and optimized survey platform features through working with a team of 15 engineers, 5 product managers and 20 project managers, utilizing Angular and Django stack
- Transformed company platform for international growth by designing and maintaining global architecture for platform internationalization (i18n) and localization (l10n)
- Adapted company platform for enterprise client needs by engineering role-based permission control for sensitive data

**MTA New York City Transit** | New York, NY

May 2016 - August 2016

### Application Development Support Aide, Recovery and Resiliency, Department of Subways

- Enhanced data import efficiency by creating photo uploading tool and standardizing user input for track image database
- Identified pain points in digitizing incident tracking systems and assessed use cases for proposed system
- Aided in development of various internal applications, including code auditing, UI designing and specification compiling

## education

**New York University** | New York, NY

September 2017

BS/MS in Computer Science (minors in Business Studies and Biomolecular Science), Cum Laude, GPA: 3.49

Honors Thesis: Satellite Communications on Commercial Aircraft and Its Security Implications

## projects

**Mapping Mobile Purchasing Patterns with Venmo** | Foundations of Data Science

- Investigated purchase patterns on Venmo over seasons by utilizing language processing packages in R
- Acquired and cleaned publicly available Venmo transaction data through Venmo API

**Evaluating the Effectiveness and Kernel Footprint of Lind** | Summer Research Program

- Tested kernel footprint of the sandbox by configuring and running fuzzing programs in Linux environment
- Contributed in creation and debugging of test cases in C for unit testing

**Wildbook** | Introduction to Databases

- Designed and implemented front-end user interface for the social media site using PHP, SQL and HTML
- Created relational schema for back-end database of the site with MySQL