

# CHRISTOPHER LIANG

## SOFTWARE ENGINEER

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### TECHNICAL SKILLS

- **Front-End:** JavaScript | ES6 | Typescript | React (Hooks) | Redux | HTML5 | CSS3 | Sass | jQuery
- **Back-End:** Node | Express | MySQL | MongoDB | Mongoose | Restful API Development | GraphQL
- **Deployment:** AWS EC2 | Docker
- **Testing & Developer Tools:** Jest | Enzyme | Mocha | Chai | Loader | Artillery | npm | Webpack | Babel | Agile Methodology | Figma

### EDUCATION

**Software Engineering Immersive**  
Hack Reactor  
New York, NY 2020

**Bachelor of Arts in Biochemistry & Psychology; Pre-Med Track**  
CUNY Hunter College  
New York, NY 2015 - 2019

### APPLICATIONS

#### ATELIER API | SOFTWARE ENGINEER

Node | Express | MySQL | Redis | Docker | AWS EC2 | Loader.io

- **Leveraged** Node Streams to optimize ETL of over 6GB in raw CSV files.
- **Designed** a RESTful API capable of handling web-scale production with scalability, capable of taking 3200 requests/ sec with an average latency of 5ms.
- **Optimized** MySQL Queries utilizing indexing, subqueries, and JSON aggregation.
- **Integrated** connection pooling and Redis cache with 120% improvement in throughput with an average latency of 15ms for 3200 requests/ sec.
- **Deployed** containerized back-end service utilizing Docker and AWS.

#### APARTMENT HUNT | SOFTWARE ENGINEER

JavaScript | React (Hooks, Context) | Sass | MongoDB | Mongoose | AWS

- **Constructed** reusable Autocomplete & Geolocation Search Bar via Google Cloud APIs used by other team members in the project.
- **Managed** State with React's Context to maximize data flow efficiency.
- **Implemented** Responsive Maps with Light/ Dark modes, custom Markers & designed a responsive homepage compatible with Tablet and Mobile.

#### PROJECT CATWALK | SOFTWARE ENGINEER

JavaScript | React | Redux | CSS | AWS EC2

- **Constructed** reusable React components and Redux store for reduced code complexity and sharability with team members.
- **Implemented** custom Carousel with React's create reference and pixel scrolling instead of prebuilt components.
- **Managed** complex asynchronous calls to improve data flow from the store.
- **Increased** Lighthouse score 200% by compressing bundle.js and optimizing images.

### PREVIOUS EXPERIENCES | HEALTH-SCIENCES

- Medical Scribe - [NYP WCMC ED](#) - 2017 - 2020 - Worked extensively with EMR applications including Allscripts and EPIC; Documenting patient charts including histories, exams, assessments, plans; Reviewing orders and workup results.
- Clinical Research Associate - [NYU Medical Center ED](#) - 2019 - Data collection, maintaining database, conducting meetings.
- Laboratory Research Associate - [Memorial Sloan Kettering Cancer Center](#) - 2018 - Conducted research to understand the Apela-APJ signaling pathway during embryo development; Performed various laboratory procedures for H&E analysis.