

# Daniel Shin

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## TECHNICAL SKILL

**Front End** | JavaScript (ES5 and ES6), Typescript, React, HTML5, CSS3, Recoil, Axios, Material UI, Styled Components

**Back End** | Python, Node.js, Express, PostgreSQL, MongoDB, MySQL, RESTful API Development, Bcrypt

**Testing/Deployment** | Jest, Mocha, Chai, K6, Loader.io, AWS: EC2, Docker, Nginx

**Developer Tools** | Vim, Git, npm, yarn, Webpack, Babel, Agile Methodology, Test-Driven Development(TDD), Trello

## SOFTWARE ENGINEERING APPLICATION

**Software Engineer** | Astelle API | <https://github.com/ReviewsAPI>

2022

*Back-End System for a retail website optimized to handle large quantities of data and traffic*

- Redesigned a legacy server and database by migrating systems using node, express and PostgreSQL
- Reduced latency to 30ms by creating indexes to PostgreSQL tables and refactoring expensive SQL queries
- Deployed 3 AWS EC2 instances behind an Nginx load balancer to sustain 0% error rate and 1500 RPS

**Software Engineer** | Astelle | <https://github.com/astelle>

2022

*E-Commerce Application for clothes*

- Built the product overview section containing a photo carousel and pop-up modals with React and Material UI
- Refactored implementation of user click tracking using React Render Props to minimize code reuse
- Implemented unit tests with Jest and React Testing Library to achieve 80% test coverage

**Software Engineer** | CloudCraft | <https://github.com/cloudcraft>

2022

*Real-time chat and task managing application for team organizations*

- Established a bidirectional communication between the clients and server with socket.io for pending and sent messages to be delivered real-time
- Managed the state globally in atom states with Recoil to enable sharing of states across components and avoid prop drilling
- Utilized Feature Branch Workflow and Agile methodologies for efficient teamwork environment

**Software Engineer** | Tripify | <https://github.com/Tripify>

2022

*Trip Planner Application with Itinerary and Google Maps*

- Implemented user authentication from scratch with bcrypt and session persistence with cookies to allow users to log in securely and remain logged in
- Designed a map to display cards of nearby restaurants, hotels and attractions using Google Maps API, with filtering capabilities
- Developed an autocomplete search bar to allow users to search desired destination

## PROFESSIONAL EXPERIENCE

**Software Engineer Intern** | Tradim

2022

- Designed and developed MVP of landing page using MERN stack and react-bootstrap
- Collaborated with back-end engineers to streamline agile-style performance to optimize user-experience for 3+ partnerships

**Research Assistant** | Johns Hopkins Hospital

2019-2022

- Collaborated with principal investigator to develop new imaging and therapeutic agents that contribute to detection and prevention of cancer and related diseases
- Analyzed SPECT and PET scans with AMIDE, a medical image data analysis tool, for contrasts in fluorescence

## EDUCATION

**Johns Hopkins University** | B.S in Molecular & Cellular Biology

2022

- GPA: 3.93

**Hack Reactor** | Advanced Software Engineering Certificate

2022