

# Alexander Lee

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## TECHNICAL SKILLS

**Front End:** JavaScript (Vanilla, ES6), React, HTML/CSS, Gatsby.js, Bootstrap, MaterialUI

**Back End:** Node.js, Express, SQL (MySQL, PostgreSQL) MongoDB, Artillery.io, RESTful API

**Miscellaneous:** Git, Trello, Webpack, Docker, Google Firebase, Figma

## SOFTWARE ENGINEERING APPLICATIONS

**Fullstack Engineer / UI Lead** | Intermingle

<https://github.com/TeamStrawberry/strawberry>

*React, MaterialUI, Node.js, Express, PostgreSQL, Figma, Trello*

- Developed client-side CRUD system with **React & MaterialUI** to save and monitor created items per user.
- Constructed universal API queries to connect **Node.js/Express** with **PostgreSQL** for other engineers to use.
- Led the design creation and routing with **Figma** and created wireframes for layout reference.

**Front-End Engineer** | Catwalk: Modern retail application

[github.com/Team-Emus/FEC](https://github.com/Team-Emus/FEC)

*React, Bootstrap, MaterialUI, Jest, Enzyme, Trello*

- Created **React** components to render carousel-lists of related and saved user's products.
- Designed component layout using **Bootstrap** and **MaterialUI** to create a user-friendly modal.
- Implemented testing suite, using **Jest** and **Enzyme** to ensure that components are rendering properly.
- Led stand-ups using **Trello** to develop sprint objectives and implement a ticketing system.

**Back-End Engineer** | Atelier: Catwalk System Design

[github.com/Team-Opportunity/products](https://github.com/Team-Opportunity/products)

*Node.js, Express, MongoDB, Artillery, RESTful API*

- Atelier is the back-end service for Catwalk, implementing **RESTful API** to the server & database.
- Developed an **ETL** process to streamline millions of data from multiple CSVs into the database.
- Reworked API instances of Catwalk's legacy code to call upon a newly-created **Node.js/Express** server and access data from the Mongo database.
- Identified system bottlenecks using **Artillery.io's** stress-testing reports to prioritize high ROI optimizations.
- Improved slow read queries and indexed legacy **MongoDB** data, resulting in data retrieval within <50ms over the course of 10,000 requests on average.

## EXPERIENCE

**Project Coordinator** | Conexcity – New York, NY

2019-2020

- Reduced sunk costs by 5% by determining project requirements within the project's planning stage.
- Managed the compliance process by ordering documentation per project specifications, and submitting completed deliverables to the client's CM.

**Operations Coordinator** | MG Engineering D.P.C. – New York, NY

2017-2019

- Moderated 3 technicians to complete the company-wide workstation upgrade with a \$100K+ annual budget.
- Led a team of 5 to develop and implement new CRM software, expanding sales by implementing strategies to track prospects and pursue business opportunities.

## EDUCATION

**Hack Reactor** | Software Engineering Immersive – Remote

2021

**University at Albany, SUNY** | B.S. Information Technology – Albany, NY

2012-2016

Relevant coursework: Programming in Informatics, Introduction to Web Development