

# DANIEL SOMOROV

## FULL STACK SOFTWARE ENGINEER

[dsomorov@gmail.com](mailto:dsomorov@gmail.com) ■ 713-560-6336 ■ [LinkedIn](#) ■ [Github](#) ■ [Portfolio](#) ■ Houston, TX

---

**Languages:** 7yr: Python 4yr: JavaScript, Java, C# 1yr: HTML, CSS, SQL

**Frameworks/Tools:** React, Redux, Express, Sequelize, NodeJS, SocketIO, Flask, SQLAlchemy, PostgreSQL, SQLite3, GitHub, AWS

**Key Skills:** Pair Programming, Object-Oriented Programming (OOP), Test-Driven Development (TDD), Team Leader, Code Communication, Database Management, Full Stack Development

## EDUCATION

---

**Full Stack Software Engineer** ■ *App Academy Bootcamp* | Online Feb 2023 - Aug 2023

**Master of Energy Systems** ■ *Northeastern University* | Boston, MA Jan 2020 - Dec 2021

**Bachelor of Physics, Bachelor of Chemistry** ■ *Grinnell College* | Grinnell, IA Aug 2015 - May 2019

## PROJECT EXPERIENCE

---

**Super Treats** | React | Redux | Flask | AWS | SQLAlchemy | PostgreSQL | Javascript | Python [GitHub](#) ■ [Live](#)

- Built an eCommerce site with multiple carts and intuitive UI for an organized and straightforward user experience.
- Utilized **AWS S3** buckets with the boto3 aws-sdk for a scalable image upload and storage system.
- Carefully considered specialized **React** components and **Redux** state to seamlessly and unobtrusively update web pages.
- Defined utility **CSS** classes for frequently used styles to simplify the **frontend** workflow.

**Concord** | React | Redux | Flask | SQLAlchemy | SocketIO | PostgreSQL | Javascript | Python [GitHub](#) ■ [Live](#)

- Collaboratively planned, programmed, and documented and fully functioning Discord clone within one week utilizing principles of **pair programming** and a **git** workflow.
- Implemented **WebSockets** to enable instant communications within servers and direct messages between users.
- Created an intuitive **backend** API using **Flask** and **SQLAlchemy** which was regularly tested with Postman.

**Cultivate** | React | Redux | Express | Sequelize | AWS | PostgreSQL | Javascript [GitHub](#) ■ [Live](#)

- Created models of database tables and defined scopes for common queries with **Sequelize** ORM.
- Performed request validation and authorization through **Express** middleware on the backend.

## WORK EXPERIENCE

---

**Research Engineer** | *Katz Water Technologies* | Houston, TX May 2021 - Feb 2023

- Project lead for assembly, testing, and analysis of solar and gas powered thermal distillation units.
- Managed daily tasks, testing procedures, and data collection protocols for the rest of the team.
- Met with business collaborators to discuss progress, set milestones, and strategize solutions.
- Prepared technical descriptions of system components, operations, hazards, and troubleshooting as part of larger grant and partnership proposals that brought in over \$1M.
- Provided research literature and calculations to grant proposals and funding applications.
- Programmed system automation via PLCs, data analysis / visualizations, and Arduino sensor devices.

**Legal Clerk** | *Halmagean PLLC* | Houston, TX May 2019 - Nov 2019

- Quickly mastered simple legal paperwork to relieve duties from overworked senior staff.
- Supported team by solving a wide range of administrative and technology related problems.
- Multi-tasked responsibilities in a fast-paced and short-handed office environment.

**Physics Teaching Assistant and Tutor** | *Grinnell College* | Grinnell, IA Aug 2018 - May 2019

- Simplified complicated ideas through clear communication and step-by-step problem solving.
- Advised students 1-on-1 on better study habits and available resources for more effective learning.
- Coordinated with professors to facilitate student growth and understanding.