Isaac Pak

sungyulpak@gmail.com   [Portfolio](#)   [LinkedIn](#)   [GitHub](#)

SKILLS

JavaScript, Node.js, Python, SQL, PostgreSQL, Node.js, Express, React, Redux, styled-components, AWS, Git, Heroku, Docker, Mocha, Jest, Data Structures & Algorithms, TDD, OOP

PROJECTS

Klangwolke | *JavaScript/React/Redux, Python/Flask, SQLAlchemy, Docker, Heroku, AWS*   **live** | **github**
- Optimized PostgreSQL queries to achieve timely reads on >5000 records, and stress-tested with loader.io to identify performance bottlenecks
- Utilized AWS S3 to store users' uploaded resources, and created a custom React component to allow drag-and-drop file uploading
- Constructed modular React components to implement modals and adhered to DRY principles to improve scalability

Loot Locker | *JavaScript/React/Redux, Python/Flask, SQLAlchemy, Docker, Heroku*   **live** | **github**
- Collaborated with 3 other software engineers in an Agile environment to minimize time sinks and improve workflow
- Architected logic behind a RESTful Flask backend that employed composite primary keys in a PostgreSQL database to ensure uniqueness of records and reduce time-complexity of reads
- Used styled-components for modularity and aesthetic consistency

Noteman Stevens | *JavaScript/React/Redux/Express*   **live** | **github**
- Implemented a keystroke-triggered auto-update feature, with debouncing (via React's useMemo and useCallback) to reduce server load
- Built RESTful Express backend to handle CRUD operations and persist data in PostgreSQL database, via Sequelize
- Developed a React/Redux frontend that emphasizes simplicity and efficiency, for a streamlined user experience

EXPERIENCE

Bespoke Tailor
TIEFENBRUN   May 2019 - Aug 2021
- Led the coat-making team and guided new team members and interns, providing instruction and encouraging clear communication channels throughout the >100-hour process of crafting a bespoke suit
- Served as one of the client-facing representatives of the atelier, assisting clients throughout the garment design process and providing textile suggestions based on their specific needs
- Developed a proprietary garment cutting system, based on an amalgamation of the *Thornton International System of Garment Cutting* and *The Modern Outfitter, Cutter, and Clothier*

Private Math Tutor
Self-Employed   Dec 2017 - Sep 2018
- Provided lessons to students aiming to improve their performance in high school-level mathematics classes
- Primarily assisted students with precalculus and the AP Calculus AB/BC curriculum

EDUCATION

AppAcademy - 1000-hour immersive full-stack web development intensive with <3% acceptance rate | 2020 - 2021
Fashion Institute of Technology - Coursework towards an A.A.S., Menswear | 2018-2019
Tufts University - Coursework towards a B.S., Electrical Engineering | 2014-2015
- Course highlights:
  - Discrete Mathematics
  - Introduction to Computation for Engineering,
  - Introduction to Computer Science