

SKILLS

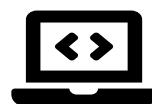
Javascript
React
Node.js
Sequelize
PostgreSQL
SQL
CSS
Git
Docker
Amazon Web Services (AWS S3)
Object-Oriented Programming (OOP)
Scrum & Agile Methodologies

Python
Redux
Express
Flask
SQLAlchemy
HTML
REST APIs
Figma
Alembic
Mocha
Pair Programming
Bootstrap

WORK EXPERIENCE

- Accounting Assistant Jun 2020 - Feb 2022
Inteplast Group
 - Outperformed colleagues by company expectations through reconciling company accounts by processing over **1,300 invoices each month**, saving the company over **\$50,000 annually**, which ultimately led to an administrative role **supervising and training new hires** within 4 months after getting hired with minimal field experience.
 - Mathematics Paraprofessional Aug 2018 - Jun 2020
Niles North High School
 - Collaborated with teachers and taught over **150 students** to implement research based interventions for the purpose of presenting and/or reinforcing learning concepts while monitoring their schedules, academics, and behavior plans to uphold a **secure and positive learning climate**.
 - BTS Backup Dancer May 2019
BigHit Entertainment
 - Learned 4 dances in less than 5 days to perform at a **sold out** weekend concert in front of **120,000+ people** for K-pop idol group, BTS.
 - Mathematics Tutor Mar 2017 - Aug 2018
Adlai E. Stevenson High School
 - Surpassed colleagues in the Student Learning Program (SLP) department by providing instructional support to **more students than any other tutor** (over **40 students per day**) in all levels of mathematics, including Algebra, Geometry, and Calculus.

EDUCATION



App Academy
An immersive 1000+ hour web development course



Illinois State University
B.S. in Secondary Mathematics Teacher Education

PROJECTS

Timeout

Javascript, Python, React, Redux, Flask, SQLAlchemy, PostgreSQL, Docker, AWS S3, Figma

Inspired by Apple's Clock mobile application, toggle alarms independently or collectively with a built-in feature called Alarmlists.

- Integrated a **React component package**, **Multiselect**, to provide multi select functionality, dramatically reducing the number of **Representational State Transfer (REST) Application Programming Interface (API)** calls.
 - Designed a snooze feature by incorporating a countdown timer in **local storage**.
 - Established “global” state variables with **React Context** to pass the current time across the entire **component tree**.
 - Optimized custom **error handling** and **validations** with **React hooks** to deliver inline errors in **O(1) time complexity**.
 - Refined filenames using a **universally unique identifier (UUID)** in **AWS S3** to generate unique names and regulate specific file upload types.
 - Restructured and debugged a model column in **Python’s SQL toolkit and Object Relational Mapping (ORM)**, **SQLAlchemy**, to work around **Flask-WTF**’s DataRequired’s post-coercion behavior.

Sea

Javascript, Python, React, Redux, Flask, SQLAlchemy, PostgreSQL, Docker

A Robinhood clone incorporating API fetch calls for general and company news

- Created an algorithm in **Flask** that models stock prices to consolidate third party and **RESTful API calls** by eagerly loading the data for optimized performance, scalability, and maintainability.
 - Implemented a chart library, **Recharts**, to visualize a large collection of datasets for a selected timeframe.
 - Integrated a **Python financial news API library**, Finnhub, to display real-time general and company news.
 - Streamlined custom algorithms with tedious calculations to generate accurate real-time asset updates for each transaction on the dashboard in **O(n) time and space complexity**, creating an accurate and realistic **user experience (UX)**.
 - Collaborated with team members through **Agile methodologies** and **Git version control** to maximize workflow within a one week deadline.

Aurora

Javascript, Python, React, Redux, Express, Sequelize, Node.js, PostgreSQL, AWS S3

A Soundcloud clone that allows a user to upload tracks and interact with other users' contents

- Leveraged **Redux** to build a single page app by facilitating state management throughout a user's session to dynamically render **React components** and directly manage data for form inputs and submissions.
 - Built and animated a like button with **CSS keyframes** to encourage user interaction and improve **user interface (UI)**.
 - Designed and built a search engine results page (SERP) with **Sequelize's model query** and **operators (Op)** to filter queries in the database.
 - Enhanced multi file upload types by incorporating **Multer** and cloud storage via Amazon's **AWS S3** and **AWS SDK in Express**.
 - Created a custom audio player and media controls with **React** and **Redux** to navigate through each track and maintain the integrity of the media player functionality without compromising the overall **UI/UX**.
 - Capitalized on an intuitive and simplified **UX** by incorporating inline editing for the comments section with ternary operators in **JSX** and **Babel**.
 - Implemented **Bcrypt** to hash and store user passwords in the database to protect user credentials.
 - Leveraged **JSON Web Token (JWT)** as an authentication mechanism to minimize requests to the database.