

Christopher Chueng

Software Developer

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[Portfolio](#) | [GitHub](#) | [LinkedIn](#)

SKILLS

Javascript | Python | React | Redux | Node | Express | Flask | Sequelize | SQLAlchemy | PostgreSQL | SQL | HTML | CSS | REST APIs | AWS S3 | Alembic | Pug | Jinja | Docker | Git | Pair Programming | Object-Oriented Programming (OOP) | Scrum & Agile Methodologies

PROJECTS

Timeout (Javascript | Python | React | Redux | Flask | SQLAlchemy | PostgreSQL | Docker | AWS S3) [live](#) | [github](#)

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 in **local storage**.
- Restructured the 'Minutes' **model column** in **Python's SQL toolkit and Object Relational Mapping (ORM), SQLAlchemy**, to a **string type** due to **WTForms' forms validation** coercing the number '0' as a falsey value.
- Established **"global" state variables** with **React Context** to pass the current time across the entire **component tree**.
- Optimized **error handling and validations** with **React hooks** to deliver **inline errors** in **O(1) time complexity**.

Sea (Javascript | Python | React | Redux | Flask | SQLAlchemy | PostgreSQL | Docker | Recharts | Finnhub API) [live](#) | [github](#)

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

- Consolidated **API fetch calls** for a specific company's info by developing a function that generates fake stock prices in **Flask** and utilizing the **slice method** to filter out the data, optimizing functionality and efficiency across the entire application.
- Integrated a **Python financial news API library**, Finnhub, to display real-time general and company news.
- Collaborated with team members through the **Agile methodology** to plan, evaluate, and execute the development process of the app within a one week deadline.

Aurora (Javascript | Python | React | Redux | Express | Sequelize | PostgreSQL | AWS S3) [live](#) | [github](#)

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.
- Capitalized on **Sequelize's model querying** and **operators (Op)** to **eagerly load associations** and filter out queries in the database when searching for a track.
- Enhanced image and audio uploads by implementing **Multer** with Amazon's **AWS S3** and **AWS SDK** cloud storage in **Express**.
- Implemented **Bcrypt** to hash and store user passwords in the database to protect user credentials.

EXPERIENCE

Accounting Assistant - *Inteplast Group* Jun 2020 - Feb 2022

- Outperformed colleagues and company expectations through reconciling company accounts by processing over 1,000 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 - *Niles North High School* Aug 2018 - Jun 2020

- Collaborated with teachers and taught over 100 students to implement research based interventions for the purpose of presenting and/or reinforcing learning concepts while monitoring their schedules, academics, and behavior plans in order to uphold a **secure and positive learning climate**.

EDUCATION

App Academy - *An immersive 1000+ hour full-stack web development course* Feb 2022 - Jul 2022

Illinois State University - *B.S in Secondary Mathematics Teacher Education* Aug 2012 - May 2016