

# Christopher Chueng

## Software Developer

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

## SKILLS

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

## PROJECTS

**Timeout** (Javascript | Python | React | Redux | Flask | SQLAlchemy | PostgreSQL | Docker | AWS S3 | Figma) [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 timer in **local storage**.
- 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.
- 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**.

**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*

- 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.
- Integrated a **Python financial news API library**, Finnhub, to display real-time general and company news.
- 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) [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.
- Built and animated a like button with **CSS keyframes** to encourage user interaction and improve **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**.

## 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 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**.

## 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