# Christopher Chueng
## Software Developer

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## SKILLS

**Languages:** Javascript | Python | SQL | HTML | CSS
**Frameworks/Tools:** React | Redux | Node | Express | Flask | Sequelize | SQLAlchemy | PostgreSQL | AWS | Pug | Jinja | Docker | Git
**Key Skills:** Pair Programming | Object-Oriented Programming (OOP) | Scrum Methodologies

## PROJECTS

**Timeout**  (React | Redux | Flask | SQLAlchemy | Postgres)                    [live](live) | [github](github)
*Inspired by Apple's Clock mobile application, toggle alarms independently or collectively with a built-in feature called Alarmlists.*
- Integrated a React component, Multiselect, allowing users to select multiple days when creating an alarm, dramatically reducing the number of Representational State Transfer (REST) Application Programming Interface (API) calls.
- Incorporated boolean logic with datetime and toggle buttons to enable alarms to go off at a specific time(s) and day(s).
- Capitalized on WTForms' forms validation, InputRequired, and their StringField field to allow the number, '0', to be stored as a value under the 'Minutes' column due to the IntegerField field perceiving the value, '0', as an erroneous input.

**Sea**  (React | Redux | Flask | SQLAlchemy | Postgres | Recharts | Finnhub API)          [live](live) | [github](github)
*A Robinhood clone incorporating API fetch calls for general and company news*
- Consolidated the number of API fetch calls for a specific company's info by developing a function that generated fake stock prices in Flask, optimizing functionality and efficiency across the entire application.
- Designed a total balance algorithm that models a user's portfolio by sending the current balance to the stock prices function to generate an annual dataset in Flask and filtering the data in React based on specific timeframes.
- Implemented a chart library, Recharts, on a user's portfolio and a specific company to visualize a large collection of datasets for a selected timeframe.

**Aurora**  (React | Redux | Express | Sequelize | SQLAlchemy | Postgres)          [live](live) | [github](github)
*A Soundcloud clone that allows a user to upload tracks and interact with other users' contents.*
- Formulated media player controls through data structures and algorithms to maintain the integrity of the media player functionality without compromising the overall user interface/user experience (UI/UX).
- Generated a filter method on the home page that gives users exposure to the most recent tracks by sorting the tracks according to their creation date to encourage users to discover and interact with new content.
- Incorporated a character count tracker for comments by implementing React Hooks to monitor the state of the input value as a user types, offering an intuitive user experience while maintaining the simplicity of validations and error handling.

## 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**                                                               Feb 2022 - Jul 2022

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