Christopher Chueng
Software Developer

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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 (React | Redux | Flask | SQLAlchemy | Postgres | AWS S3)   **live | github**

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

- Refined filenames using a **universally unique identifier (UUID)** in **AWS S3** to generate unique names and limit the file types a user can upload.
- 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.
- Optimized **error handling and validations** with **React hooks** to deliver **inline errors** in **O(1) time complexity**.
- Established **"global" state variables** with **React Context** to pass the current time across the entire **component tree**.

Sea (React | Redux | Flask | SQLAlchemy | Postgres | Recharts | Finnhub API)   **live | github**

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

- Consolidated **Representational State Transfer (REST) Application Programming Interface (API) calls** by fetching a year's worth of stock prices and utilizing the **slice method** to filter out the data based on the specified timeframe.
- Integrated a **financial news API** to present real-time general news on the dashboard component and specific company news data on the stock detail route.
- Administered authentication checks with **React hooks** by redirecting users to authorized routes based on credentials.

Aurora (React | Redux | Express | Sequelize | SQLAlchemy | Postgres | 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.**
- Created a custom audio player and media controls with **Redux** to navigate through each track.
- 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.
- Implemented **Bcrypt** to hash and store user passwords in the database to protect user credentials.
- Enhanced image and audio uploads by implementing **Multer** with Amazon's **AWS S3** 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 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