

# Brian Yao

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**Portfolio:** [brian-yao.com](http://brian-yao.com) | [github.com/brian-yao](https://github.com/brian-yao)

## WORK EXPERIENCE

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### Software Engineer (Contractor)

Remote

PayPal Inc.

February 2022 - Present

- Assist with maintaining internal library for internationalization and localization used by hundreds of applications throughout the company.
- Helped to detect and resolve critical bugs blocking major business pipelines and project releases.
- Provide support for implementation and integration of i18n library being used in other applications. Tasks require in-depth knowledge of microservice architecture, client-server model, and unit testing.

### Merchandising Assistant

Edison, NJ

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October 2020 – September 2021

- Utilized SAP enterprise software to perform data entry, data cleaning, and various other tasks on a daily basis.

### Data Science Co-op

Philadelphia, PA

Comcast NBC Universal

June 2019 – November 2019

- Built two predictive models using Python and Spark and pushed them into live production using UC4 automation software. The first model predicted customers likely to upgrade their video tier and the second model predicted customers that were likely to use their own mobile device when adding a new line.
- Conducted feature engineering using Hive SQL and Teradata to extract valuable insights from raw data.

## TECHNICAL SKILLS

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- **Programming Languages:** Python, PHP, Java
- **Web Development:** HTML5, CSS3, JavaScript, React, NodeJS
- **Frameworks:** Next.js, Gatsby
- **Database:** MySQL, Hive SQL, MongoDB
- **Deployment:** Travis CI, Jenkins, Docker

## PROJECTS

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### React Movie List - <https://brian-movie-app.netlify.app/>

- Movie list app built using React. Data fetched from The Movie Database API. Displays list of recent popular movies and shows a brief synopsis of each movie. Technology used: CSS flexbox/grid, React, JSX, babel.

### React Video Game Viewer - <https://brian-react-gaming.netlify.app/>

- React app to view current, upcoming, and popular video games. This app uses Redux to manage global state and make calls to rawg.io API. Technology used: React, Redux, Redux-thunk, Styled-Components.

## EDUCATION

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### Kean University

Union, NJ

M.S. Computer Science

September 2018 - May 2020

- Analysis of Algorithms, Database Design and Development, Data Mining, Machine Learning

### Rutgers University

New Brunswick, NJ

B.S. Exercise Physiology

September 2014 - May 2018

- *Computer Science Minor:* Data Structures, Discrete Structures, Computer Architecture