Clifford Ng

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EDUCATION

University of California, Riverside Expected Spring 2021

B.S. Computer Science

SKILLS

Front End: HTML, CSS, SCSS, JavaScript, React.js **Object Oriented Languages:** Java, C++, Python

Back End: PSQL, MongoDB, Hadoop **Tools:** Git, Vim, Jupyter Notebook, GNU/Linux Command Line

COURSEWORK

• Artificial Intelligence • Database Management • Design of Operating Systems • Computer Security
• Software Construction • Compiler Design • Data Analysis • UNIX System Administration • Virtual Reality

INTERNSHIP EXPERIENCE

Software Engineer

GSI Travel August 2019 – December 2019

- Remodeled website's front-end structure using React.js to avoid repeated code blocks, improving code readability and maintainability for future Software Engineers.
- Migrated database to Firebase's Firestore to allow easy create, read, update, and delete process of data for non-technical admin, eliminating the need for knowledge in a database query language.
- Redesigned user interface and increased unique visitor by 23% within two months.

PROJECTS

Full Stack Developer

Netflix Clone December 2020

- Utilized Hadoop's architecture to store large video files to allow fast processing and storage of data.
- Connected MongoDB database to Hadoop's server to enable quick fetching of movie's data.
- Programmed user interface using Next.js to utilize Next.js server side rendering and client side rendering functionality for fast and seamless data fetching.

Full Stack Developer

Movie Fandango Clone May 2020

- Programmed database using PSQL to utilized its better CSV support for dummy movie dataset upload, improving development efficiency.
- Programmed user interface using React.js to allow reusable components for similar datasets, reducing development time.

Full Stack Developer

Rose Hack 2020 (Winner – Best Use of Google Cloud's Platform) January 2020

- Led the development team and design team to produce a web application aimed to improve online interaction between the students and the professor.
- Programmed functional minimum viable product mockup within 12 hours based on the design team's Figma mockup.
- Improved colleague load algorithm by O(N) time complexity, halving initial data load time.