Richard **Tang**

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Work Experience

Experian   *July 2021 - Present*
Software Developer   *Remote*
- Developed features to improve efficiency of patient check-in process for hospital visits using web technologies such as Typescript, ASP.NET and SQL.
- Created a local testing environment using Docker to accelerate the development testing process.
- Increased server latency by integrating Amazon S3 to efficiently store application's pdf form.
- Awarded with "One Experian Recognition Spot Award" for contribution as a team member.

HongHuo Inc.   *June 2019 - September 2019*
Software Engineer Intern   *San Diego, CA*
- Developed an online ordering application for the company's restaurant using HTML, CSS, and Javascript, allowing the restaurant to receive more business through online orders.
- Tune and polish the website to optimize customer experience.

Education

University of California San Diego   *Sep 2016 - June 2020*
- *Bachelor of Science* in **Computer Science and Machine Learning**
- **Relevant Coursework:** Software Tools and Technique, Object-oriented Programming, Computational Problem Solving, Data Structures

Skills

Languages & Frameworks - Javascript/Typescript, C#, Python, C++
Tools & Technologies - .NET, React.js, SQL, AWS, Docker, REST, Redux, Git

Projects

E-commerce

React.js, React Redux, Firebase, GraphQL, Apollo, StripeAPI
- Built a reactive, performant and large scale E-commerce application that stores collections of items in Redux store and processes client payment using Stripe.
- Integrated Firebase for user authentication and as a data store, which allowed users to keep a history of their shopping carts between sessions.
- Wrote unit tests to ensure quality of application using Jest, Enzyme, and snapshot testing.

Six Degrees of Kevin Bacon

C++, meson build
- Designed and implemented graph representation of actors relationships using IMdb data set that consists of 1.5 million different movie information.
- Program predicts which actors are most likely to work together based on mutual connections.

Autocompletion

C++, meson build
- Implemented string autocompleter similar to options a browser provides when typing in search bar using Trie
- The program allows user interaction and when given a dictionary file with words and frequencies, the program will feedback the most frequent to least frequent word based on the prefix and number of words to return.