

Villy Siu

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[LinkedIn](#) | [GitHub](#) | [Blog](#) | [Portfolio](#)

SOFTWARE ENGINEER

Software Engineer with a Bachelor Degree in Computer Science and a background in accounting and property management. Familiar with full life cycle of software development. Proficient in translating design into scalable and readable code using object oriented standard methodologies and deploying to applications. Skilled at tackling problems with data structure and algorithms to increase efficiency. Adept at monitoring and maintaining frontend performance and debugging to bolster overall performance. Fluent in Mandarin, Cantonese and English.

TECHNICAL SKILLS

ReactJS, Ruby on Rails, Javascript, HTML, CSS, MySql, JSON, Twitter Bootstrap, Git, JAVA, Swift, QuickBooks

TECHNICAL PROJECTS

Zoo Logic - [GitHub](#) | [YouTube](#) | [Web](#)

An independently developed logic game for kids (Age 3+) . This single page application is coded with JavaScript and ReactJS . Players place the animals on the board to satisfy the requirement. There are 30 levels.

- Applied Object Oriented Programming to develop UI components that could be reused across Web application
- Utilized responsive UI elements with React Bootstrap for smooth performance.
- Utilized media queries for the design to be compatible in all devices and screen sizes.
- Designed CSS templates for use in all pages with background, positioning, text, table, border, margin, and padding.
- Applied optimization to reduce load time to enhance user experience.
- Optimized with functions to increase performance in rendering.
- Handled cross browser compatibility with React's code reusability
- Extensively used git for version controlling and regularly pushed the code to Github.

Instagram Copycat - [GitHub Frontend](#) | [Github Backend](#) | [YouTube](#) | [Web](#)

An independently developed photo sharing single page application, built with ReactJS, CSS, HTML and Ruby on Rails.

- Maintained states in Redux stores and dispatched actions to update state using React Redux.
- Used createAsyncThunk with async/await to communicate with the backend asynchronously.
- Handled URLs with React Router Dom to allow navigating without refreshing the page.
- Applied Rails Devise gem with Devise-JWT to authenticate users on signup, login, and logout.
- Implemented RESTful APIs with Ruby on Rails and interacted with APIs using AJAX and JSON
- Built responsive UI with React Bootstrap, media queries and CSS to enhance user experience in all devices and screen sizes.
- Applied optimization to reduce load time and avoid re-rendering.
- Deployed frontend to GitHub Page, backend to Render and storage on AWS Amazon S3..
- Seeded database with OpenAi Dall-e images based on quotes from Faker gem.

PROFESSIONAL EXPERIENCE

SFT, LLC

Administrative Accountant

Bellevue, WA

12/2014 - 12/2017

- Prepared accurate and timely monthly, quarterly and annual financial reports, including profit & loss, balance sheet, and cashflow, using QuickBooks. Liaised with CPA for annual tax return.
- Completed company's and properties' tax returns within specified deadlines.
- Ensured monthly rental income is received to maximize cash flow and optimize the company's financial position.
- Supported the company's real estate agent by preparing all real estate transaction filings for title and escrow.
- Managed and maintained the upkeep of the company's rental properties to ensure satisfaction of tenants.
- Listed rental properties on websites, prepared and reviewed rental agreements.
- Researched and analyzed potential real estate investment properties and reported to the CEO directly.

EDUCATION

Flatiron School

Full Stack Web Development, Ruby on Rails and JavaScript program

Remote

07/2022

Seattle University

Bachelor of Science in Computer Science

Seattle, WA

06/1999