Kyle Christensen

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Projects

CBTree   **App:** kylehgc.github.io/CBTree/   **Source:** github.com/kylehgc/CBTree
- CBTree is a web application for creating and managing CBT thought records.
- The front end is a React TypeScript application with strict typings and numerous custom type guards.
- Designed, tested and implemented 14 distinct responsive pages.
- Advanced use of custom hooks for API logic, form state logic, theming and authentication.
- Implemented full user management scheme with context api, a custom auth hook backed by JWT.
- The back end is a RESTful FastAPI Python CRUD application backed by a document based store.

Quote Battler   **App:** kylehgc.github.io/quote-battler/   **Source:** github.com/kylehgc/quote-battler
- Quote Battler is a quick fun mobile game that pairs fast reflexes with humorous mismatched quotations.
- React application that consumes a public quote API.
- Managed complex game state with useReducer and ContextAPI.
- Leveraged react drag and drop to create a fast paced and smooth user experience.

Work Experience

Software Developer Consultant   **Toronto, ON**
Ontario HIV Treatment Network   *February 2022 – March 2022*
- Consulted on how best to update and refresh the OHTN website positivenews.ca.
- Performed updates and redeployed React Next.js based website.

Bike Courier   **Toronto, ON / San Francisco, CA**
Self-employed   *November 2016 – February 2022*
- Worked for half a dozen different companies plus countless independent clients in both Toronto and San Francisco.

Webmaster, Designer   **Toronto, ON**
Torontopsychotherapists.ca   *January 2017 – August 2019*
- Ran, updated, and optimized a psychotherapist referral website.
- Responsible for advertiment campaigns, SEO, and all new web products.
- Extensive use of WordPress. Implemented custom functionality in PHP to meet the day to day needs of the website.
- Moved them over to a responsive mobile friendly environment.
- Responsible for designing and managing all advertisement accounts.

Tech Educator   **Cornwall, ON**
Code Heroes   *December 2015 – October 2016*
- Designed and implemented beginner level technical courses aimed at children.
- Created learning modules to get children interested in programming.
- Created a course for basic computer literacy aimed at seniors.
- Taught numerous classes both at Code Heroes and the Boys and Girls Club.
- Gave private tutoring to students who had interests that were outside the scope of classes.

Software Developer, Legal Services   **San Francisco, CA**
Wheels of Justice   *May 2015 – March 2016*
- Designed, wrote and implemented a paperless filing system leveraging Google optical character recognition technologies.
- Made legal filings, tracked down missing documents, and collected evidence for subpoenas.
- Prepared and filed numerous legal documents at municipal, state and federal levels.
- Responsible for scanning and delivering new cases to LexisNexis for San Francisco County.

Technical Skills

- Extensive knowledge of modern frontend languages and frameworks including TypeScript, JavaScript, React, Next.Js, HTML, and CSS.
- Able to code in multiple backend languages and frameworks including Python, FastAPI, Node, and Express.
- Advanced level of knowledge of best practices and modern APIs in Javascript.
- Substantial experience with both consuming and creating Restful APIs.
- Experience deploying websites and applications in environments including Digital Ocean, Vercel and Github Pages.