JEFF HE

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SKILLS

HTML, CSS, JS, jQuery, Node.js, React, Next.js, Tailwind, Express, MySQL, APIs, OpenAI, Git, PHP, Testrail, TensorFlow

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WORK EXPERIENCE

University of Toronto   Sept 2023 – Dec 2023

Application Developer (Coop)

- Refactored website theming to improve content visibility with HTML, CSS, and JS.
- Created Drupal modules to allow easier navigation and search, with PHP and jQuery.
- Fixed critical bugs within modules which resulted in crashes and downtime.
- Increased website loading speed fivefold by optimizing map clustering.

Rakuten Kobo   Sept 2021 – Apr 2022

Mobile QA Test Engineer (Coop)

- Ensured app stability by developing and executing test cases for regression testing on Testrail.
- Logged and recorded existence of bugs on Jira to be prioritized.
- Tracked performance of the app manually and via analytics for user satisfaction.
- Traced API calls using Charles proxy to ensure correct data was being sent and received.

EDUCATION

University of Toronto   Sept 2019 – Aug 2024

Honours Bachelor of Science, Computer Science (Coop)

PROJECTS

Langchain Open-Source Contribution | Datetime Output Parser

Typescript, Langchain.js, OpenAI, Generative AI, Large Language Models, Node.js

- Developed a new feature to parse LLM output into a date time object.
- Utilized Jest and OpenAI models to ensure correctness.
- Merged into a repository with over 100 000 weekly downloads.

BMBluff

Socket.io, React.js, TensorFlow, Express.js, p5.js, Node.js

- Implemented real-time card recognition from user webcam via TensorFlow and Peer.js.
- Seamlessly synced game state and logic between players with socket.io and Express.js.
- Created and integrated a responsive frontend with 2D game graphics with React.js and p5.js.

Baryon

React.js, Express.js, Figma, Redux, Node.js

- Sole team member who designed detailed UI designs and mock-ups with Figma.
- Created components and managed states with React.js and Redux.
- Ensured proper authentication and authorization with user accounts via Express.js.