KENT K.C. HO

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Toronto, ON, Canada

Technical Skills

Core Skills: TypeScript, JavaScript, React, TailwindCSS, SASS, CSS, HTML, Node.js, Express.js, SQL, JWT, Git, JIRA
Exposed to: Python, Next.js, Bootstrap, MongoDB, Figma
Non-technical languages: English, French, Vietnamese

Projects

gattaGo - CODE - CLIENT   CODE - SERVER

TypeScript, React, TailwindCSS, Express.js, PostgreSQL, JWT   *05/2023 - 09/2023*
- Designed and developed a full-stack web application using TypeScript, React, and Express.js to efficiently manage dragonboat racing teams and craft customized race plans.
- Elevated user experience by leveraging mapping services, drag-and-drop functionality, and data seeding to facilitate demonstrations.
- Collaborated with dragonboat coaches, conducted in-depth research on competitor apps, and harnessed domain knowledge to deeply understand problem space and define project requirements.

Experience

Software Engineering Teaching Assistant (Full-time Contract)   Toronto, ON

BrainStation - JavaScript, React, SASS, Express.js, MySQL, JWT, JIRA   *01/2023 - 04/2023*
- Mentored software engineering students and strengthened understanding of full-stack Single Page Applications (SPAs) through pair programming, technical interviews, and one-on-one support. Achieved cohort graduation rate of 95%.
- Debugged student projects by deep diving into code and provided actionable feedback. Enhanced student technical comprehension, improved code readability and underlined best practices.
- Orchestrated and prioritized group project sprints as scrum master utilizing agile methodologies and JIRA. Resolved internal conflicts by emphasizing transparent communication and cultivating a blameless environment.

Water Operator (Operator-In-Training / I / II)   Vaughan, ON

City of Vaughan - Python, VBA   *10/2019 - 07/2022*
- Streamlined operational efficiency by overhauling the operator time card system. Built Python scripts to automate retrieval and submission of time cards via SMTP. Resulted in a 15-hour weekly reduction of operator paperwork.
- Refined and maintained internal employee tracking spreadsheets. Implemented VBA macros to update operator status/details and concisely present data. Resulted in a 5-hour weekly reduction of management overhead.
- Innovated and executed a comprehensive quality assurance protocol to rigorously test water sampling stations. Successfully identified and documented the root cause of failure and received recommendation for organizational award.
- Demonstrated exceptional crisis management skills by effectively liaising with city stakeholders and the regional office to address emergency water service disruptions. Ensured timely return to service with a turnover less than 24-hours.

Project Coordinator   Mississauga, ON

Certified Building Systems   *07/2016 - 05-2018*
- Coordinated entire HVAC retrofit project portfolio under tight deadlines. Expedited construction by staggering schedule sequences and redirecting resources based on priority. Successfully delivered projects individually valued up to $750,000.
- Directed project team and contractors during crane lifts. Negotiated on-site pivots and quickly adapted to delivery delays and adverse weather conditions. Ensured equipment installation with minimal disruption to residential stakeholders.

Project Associate   Toronto, ON

WSP (formerly Halsall and Associates)   *05/2015 - 03-2016*
- Performed energy audit for commercial high-rise. Inspected existing plant, reviewed consumption data, monitored building automation system trends and generated analysis report. Yielded annual savings of $270,000 and 3,200 MWh.
- Documented green building project progress. Researched initiatives, tracked sustainability metrics and flagged non-compliant issues. Enabled property management clients to achieve LEED sustainability framework targets.

Education

University of Waterloo   Waterloo, ON

Honours Bachelors of Applied Science in Mechanical Engineering   *09/2010 - 04/2015*

BrainStation   Toronto, ON

Diploma - Web Development   *09/2022 - 12/2022*