KENT K.C. HO

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Toronto, ON, Canada

Technical Skills

Core Skills: JavaScript, TypeScript, React, TailwindCSS, SASS, CSS3, HTML5, Node.js, Express.js, Prisma, MySQL, JWT, Socket.io, Vite, Git, Github

Exposed to: Next.js, Vercel, Bootstrap, MongoDB, Python, Figma

Personal Projects

gattaGo - ○ CODE - CLIENT ○ CODE - SERVER

TypeScript, React, TailwindCSS, Node.js, Express.js, Prisma, MySQL   *05/2023 - 09/2023*

- Consulted with dragonboat coaches and researched competitor apps to flesh out problem space and scope requirements.
- Developed dragonboat racing team and race plan builder fullstack web application with CRUD REST API.
- Added quality-of-life UI/UX features such as mobile responsiveness, drag-and-drop and data seeding for demo purposes.
- Leveraged external third-party libraries for dashboard charting, geographical mapping and user form actions.
- Implemented login/signup system by storing backend-issued JWT in frontend context state for user authentication.

Experience

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

BrainStation - HTML, CSS, SASS, JavaScript, React, Node.js, Express.js, MySQL, JWT, JIRA   *01/2023 - 04/2023*

- Oversaw software engineering students and led teaching sessions to strengthen student understanding of modern full-stack SPAs through pair programming, technical interviews, and sprint planning using agile scrums.
- Advised students by deep diving into code and provided actionable feedback to enhance technical comprehension and code clarity. Scoped and prioritized capstone project features to facilitate that a working prototype is ready for demo day.

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

City of Vaughan - Python, VBA   *10/2019 - 07/2022*

- Enhanced operator time card tool using VBA macros. Automated workflow using Python to retrieve local time cards and submit via Gmail SMTP. Resulted in a 15-hour reduction in paperwork overhead for water operations per week.
- Devised and executed a quality assurance procedure to extract, rebuild and test water sampling stations. Identified valve actuation as root cause and received recommendation for organizational award.
- Acted as interim team lead for water operations department. Delegated daily work orders and ensured timely response to emergency calls. Refined, maintained and provided training of internal tracking tools for department team leads.
- Detected water main breaks, manually isolated valves, and supervised crews during emergency water main replacement. Liaised with city stakeholders and regional office to address service interruption.

Project Coordinator   Mississauga, ON

Certified Building Systems   *07/2016 - 05-2018*

- Managed project portfolio, inspected on-site progress, and coordinated resources for existing high-rise HVAC retrofits to successfully delivered projects individually valued at up to $750,000.
- Replaced live heating/DHW plant during heating season. Expedited construction by staggering sequencing while achieving minimum demand. Project completed by the end of the year right before heating season intensified.
- Stickhandled crane lifts for HVAC plants. Negotiated on-site adjustments to adapt to delivery delays and adverse weather conditions. Directed project team and ensured minimal disruption to residents and neighboring stakeholders.

Project Associate   Toronto, ON

WSP (formerly Halsall and Associates)   *07/2016 - 05-2018*

- Generated energy audit for a commercial client by inspecting existing plant, reviewing consumption data, and monitoring building automation system trends to yield annual savings of $270,000 and 3,200 MWh and secured follow-up contract.
- Researched green building initiatives, tracked sustainability metrics and flagged potential obstacles to enable property management clients to achieve LEED framework sustainability ratings.

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*