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

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

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*

- Directed a cohort of 38 software engineering boot camp students by kicking off projects and clarifying scope requirements. Supported cross-collaborative teams (UX designers, data scientists and software engineers) for hackathons and managed project sprints using scrum and agile methodology.
- Debugged student projects and lab assignments. Reviewed project code and for student weekly deliverables and provided actionable feedback to bolster technical understanding and code readability. Empowered students to refine capstone project development by providing insights to relevant technologies and libraries.
- Conducted review sessions to reinforce web development concepts through interactive quizzes, live code-alongs and technical interview practice.

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

City of Vaughan - Python — *10/2019 - 07/2022*

- Streamlined water operations and minimized overhead downtime using internal tracking tools. Designed and refined time sheet features to improve user experience using VBA and automated end of day work flow using Python batch files.
- Investigated sampling stations city-wide due to non-compliant water contaminant levels. Devised and executed procedure to extract, rebuild and test appurtenances for quality assurance. Identified valve actuation as root cause and received commendation by supervisor for organizational award.
- Responded to and oversaw emergency repairs for water main breaks. Detected source of break, manually isolated valves, and supervised crew during open excavation and main replacement. Liaised with city stakeholders and regional office to address service interruption. Tested for safe drinking water quality and ensured timely return to service.

Project Coordinator — Mississauga, ON

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

- Managed project portfolio and coordinated resources for existing high-rise HVAC retrofits and successfully delivered projects individually valued at up to $750,000. Researched viable alternatives for equipment purchasing based on client tender requirements and engineer recommendations to provide competitively priced bids.
- Accomplished complex and time-sensitive crane lift operations for heating and cooling plants. Negotiated on-site pivots to lift sequencing in order to adapt to staging issues, delivery delays and inclement weather. Managed with project team and property management while minimizing impact on residents and surrounding stakeholders.
- Oversaw project progress through regular site inspections and reconcile deficiencies with in-house technicians and contractors.

Personal Projects

gattaGo - ⦿ CODE

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

- Dragonboat racing team builder with dashboard display, athlete management, lineup assignment, and race plan crafting features with custom REST API. Integrated third-party chart, drag-and-drop and mapping libraries.

Squiggled - ⦿ CODE - 🌐 SITE

JavaScript, React, SASS, Node.js, Express.js, Socket.io — *12/2022 - 01-2023*

- Peer-to-peer whiteboarding web application allowing users to capture, annotate, send and download screenshots from their device camera. Integrated native camera API for image capture with WebSocket server for user interactions.

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*