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

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*

- Refined operator time card spreadsheet with quality of life features (autofilling, mass cell deletions, save and quit buttons) using VBA macros. Automated workflow using Python batch file to fetch local time cards, convert file format and submit through email using Gmail SMTP. Reduced water operations paperwork overhead time by 15 hours per week and entrusted to optimize team lead internal tracking tools.
- Investigated water sampling stations due to non-compliant water contaminant levels. Devised and executed quality assurance procedure to extract, rebuild and test appurtenances. Identified valve actuation as root cause and received recommendation for organizational award.
- Detected water main breaks, manually isolated valves, and supervised crew during open excavation and 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 and coordinated resources for existing high-rise HVAC retrofits and successfully delivered projects individually valued at up to $750,000. Steered end-to-end project progress from purchasing, installation, commissioning and hand-off.
- 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. Delegated project team and communicated with property management while minimizing impact on residents and surrounding stakeholders.

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*