

# KENT K.C. HO

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 [github.com/kimcangho](https://github.com/kimcangho)  [kent-kc-ho-portfolio.webflow.io](https://kent-kc-ho-portfolio.webflow.io)

Toronto, ON, Canada

## Technical Skills

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**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

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### 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 by 67% using internal tracking tools. Designed and refined time sheet features to improve user experience using VBA and automated work flow using Python batch files.
- Investigated sampling stations city-wide 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.
- 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 Associate

Toronto, ON

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

- Performed commercial ASHRAE Level 2 energy audit by reviewing utility data, system schematics, and building automation system (BAS) trends to yield annual savings of \$270,000 and 3,200 MWh.
- Conducted water audit for Class A office building by analyzing billing/sub-metering data and consulted stakeholders. Recommended water conservation plan for energy and monetary savings.
- Researched green infrastructure initiatives and outlined multi-tier strategies for commercial clients to achieve LEED framework sustainability targets. Tracked energy, water, waste, transportation, indoor air quality, environment and occupant metrics.

## Personal Projects

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### 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

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### 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