# Kent K.C. Ho

Software Developer

## CONTACT

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## WORKING EXPERIENCE

HTML5 | CSS3 | TailwindCSS | SASS
Javascript | Typescript | React.js
Web APIs | REStful APIs
Node.js | Express.js
 MySQL | Prisma
JWT / Socket.io
Netlify | Heroku
Git | GitHub | JIRA | Agile

## EXPOSED TO

Next.js | Bootstrap
Python | MongoDB

## NON-TECHNICAL LANGUAGES

English / French / Vietnamese

## PROFILE

Mechanical engineer solving puzzles with lines of text.

Background in water/wastewater, HVAC, and energy management.

## PERSONAL PURSUITS

Ex-competitive dragon-boater turned avid cyclist. Recently got a century ride under my belt!

Active volunteer at tech events (Elevate Festival, TechTO).

# EXPERIENCE

### Software Engineering Teaching Assistant | BrainStation

JAN 2023 - APR 2023, TORONTO, ON

- Investigated and debugged student deliverables for course weekly programming sprints, lab assignments, and capstone projects.
- Demonstrated and assessed coding challenges and review sessions to reinforce HTML / CSS / JS / React.js / Node.js / MySQL / Git concepts.
- Directed a cohort of 38  software engineering boot camp students by kicking off projects and clarifying scope requirements.
- Managed cross-collaborative teams during industry hackathons and group projects using JIRA and agile methodology.

### Project Coordinator  |  Certified Building Systems

JUN  2016 - MAY 2018,  MISSISSAUGA, ON

- Coordinated resources for multiple existing building HVAC retrofits and successfully delivered projects valued at up to $750,000.
- Executed complex and time-sensitive high-rise crane lift operations by managing multiple crews of contractors and operators.

### Project Associate |  WSP

MAY 2015 - MAR 2016,  TORONTO, ON

- 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.

# PROJECTS

### gattaGo | Dragonboat Team Builder

- Developed dragon boat coaching tool with team dashboards, athlete management, and drag-and-drop lineup builder features.
- Built CRUD web application using React.js / TailwindCSS / Typescript frontend and Node.js / Express.js / Prisma / MySQL backend.
- Implemented user authentication via JSON Web Tokens (JWT) and password reset with email SMTP.

### Squiggled | Whiteboard Annotator

- Developed peer-to-peer whiteboarding web application using React.js, SASS, Node.js/Express, and WebSockets (socket.io) allowing users to send, annotate and download screenshots.
- Deployed live web application through Netlify and Heroku.

# EDUCATION

### University of Waterloo  |  B.A.Sc. Honours Mech.  Engineering

2010 - 2015,  WATERLOO, ON