

Harry Chen

FRONTEND/FULLSTACK DEVELOPER

✉ harry.chen@uwaterloo.ca | 🏠 harry-chen.web.app | 🌐 [harrychen0](https://github.com/harrychen0) | in [harrychen0](https://www.linkedin.com/in/harrychen0)

Skills

Languages	JavaScript, HTML/CSS, Python, MATLAB, Java
Development	React, Node, Figma, Express, EJS, MongoDB, Heroku, Firebase
Other Software	Git, Yarn, Github, Jira, WhiteSource, Jenkins, SonarQube

Experience

NCR Corporation

[Waterloo, ON](#)

FRONTEND DEVELOPER - TELLERUI

[Sept. 2022 - Dec. 2022](#)

- Developed, bugfixed, tested, and shipped an interactive call functionality feature using React and JavaScript
- Completed full agile processes for new features in Jira ahead of schedule, leading to 30% increased productivity.
- Fixed over 50 critical and high risk Sonar errors, assisting in reducing technical debt by over 80 hours and over 70% of total.

SCS Consulting Group - Site Plan Team

[Markham, ON](#)

SITE PLAN DESIGNER

[Jan. 2022 - Apr. 2022](#)

- Developed custom functions and smart labelling systems in Civil3D to reduce site plan drawing setup times by over 60%.
- Researched municipal and regional standards for streamlining sewer and stormwater pipe design, reducing turnover time on design projects by over 50%.
- Optimized workflow of site plan team by creating schedules and assisting in drawing reviews, reducing time delays by 25%.
- Utilized Civil3D, AutoCAD, Excel VBA, and Land Development Toolkits to complete design work to meet tight deadlines.

York Region - Corporate Services

[Newmarket, ON](#)

DEVELOPMENT ENGINEER

[May 2021 - Aug. 2021](#)

- Purged over 90% of backlog of stale security files from land developers by efficiently digitizing old files and reviewing drawings and processed over \$500 000 in security returns
- Optimized review of pre-submission consultation documents using flowcharts to double project turnover speeds
- Completed reviews of development sites and assisted land developers in expediting drawing submissions.

Projects

TrailGrail

[View Project](#)

FULLSTACK DEVELOPMENT

[Nov. 2021 - Mar. 2022](#)

- A complete web app to share hiking trails - create accounts and perform CRUD operations for trails, photos, and reviews.
- Developed using Express and Node, connected to MongoDB, and deployed with Heroku.
- Hashes and salts all users and their passwords for security.

SiteSticky

[View Project](#)

CHROME EXTENSION - DESIGN AND DEVELOPMENT

[Feb. 2022 - Apr. 2022](#)

- A lightweight browser extension leveraging Chrome API, HTML & CSS to keep track of notes using Chrome storage.

Personal Portfolio Website

[View Project](#)

FULLY RESPONSIVE SITE WITHOUT A COMPONENT LIBRARY

[Apr. 2022 - current](#)

- Utilized React and HTML/CSS (SASS) to create a portfolio website with detailed transitions and versatile components.

Education

University of Waterloo

[Waterloo, ON](#)

CIVIL ENGINEERING (BASC)

[Sep 2018 - Apr 2023 \(expected\)](#)

- Maintained excellent academic standing throughout all semesters (3.7 GPA)
- Active involvement in Steel Bridge Team and SERVE Volleyball Club in executive positions
- Outstanding or Excellent rating on all previous work term internships