

Carl Shen

(905) 464-7727
carl.shen1@uwaterloo.ca
jankycs.github.io
github.com/jankycs
linkedin.com/in/carl-shen

SKILLS

Languages: C, HTML/CSS, C++, Javascript, Java

Technologies: NodeJS, ExpressJS, Bootstrap, Pug, MongoDB Atlas, Mongoose, Git, Heroku, Photoshop

PROJECTS

Fridge Recipes — Personal Project

github.com/JankyCS/fridge-recipes

- Modern day fridge and recipe management tool to find recipes based on ingredients already found in the user's fridge/kitchen
- Backend built with Node and Express, and data is stored in MongoDB Atlas
- User information (login info, fridge contents) is modelled with Mongoose, and passwords are encrypted with bcryptJS
- Frontend built with HTML, CSS, Bootstrap, and the Pug templating engine
- Hosted online using Heroku

Sagacity — Hack the North 2019 Winner/Finalist

devpost.com/software/sagacity

- Note-taking tool for students to help digitize and streamline the note-taking process, turning messy fragmented notes into high-quality, well structured ones
- Frontend built with HTML, and CSS
- Routing and backend facilitated with Node and Express, and user accounts stored on a MongoDB database
- Uses text detection models from the and OCR to convert the handwriting in the image into text

Protect — Personal Project

jankycs.github.io/protect

- Mobile game built for the Google Play Store, with 50+ downloads
- Features a global leaderboard with Google Play Services integration
- Built using Unity and written in C#
- Learned and applied basic UI/UX principles regarding minimalist flat design
- Included sound-effects and animated pixel-effects

WORK EXPERIENCE

Hatch LTD. — IT Service Desk, Digital Sector

July 2019 - August 2019

- Summer internship earned as a part of the Gerald G. Hatch Scholarship
- Assisted employees across departments with handling faulty equipment, workstation setup, and connecting with company intranet
- Fulfilled employee ticket-requests regarding issues in hardware and software

Tim Hortons — Front-Line Employee

July 2018 - March 2019

- Served triple-duty as a cashier, barista, and sandwich artist

UW Midnight Sun Solar Car — Firmware team

January 2020 - Present

- Facilitate power distribution, battery monitoring system and driver controls
- Code written in C

EDUCATION

University of Waterloo — Honours Software Engineering, Co-op

September 2019 - April 2024

- 1st Term Average: 92% (3.96 GPA)
- Received President's Scholarship of Distinction (95%+ highschool average)