Carl Shen

📞 (905) 464-7727
✉ carl.shen1@uwaterloo.ca
🔗 jankycs.github.io
○ github.com/jankycs
in 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 using **HTML**, and **CSS**, with an **Agile** development philosophy
- 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#**
- Applied 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

UW Midnight Sun Solar Car — Firmware team   January 2020 - Present
- Facilitate power distribution, battery monitoring system and driver controls
- Code written in C

Tim Hortons — Front-Line Employee   July 2018 - March 2019
- Served triple-duty as a cashier, barista, and sandwich artist

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)