

# JERRY CHENG

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## TECHNICAL SKILLS

**Programming Languages:** Python (including discord.py and NumPy), C, Racket, JavaScript, HTML, CSS, C++, Java  
**Technologies:** Vue.js, React.js, Firebase, Heroku, PostgreSQL, Google Calendar API, Photoshop, Figma, GitHub

## EXPERIENCE

**WEB DEVELOPMENT INTERN, COOLAGE (REMOTE)** **JULY 2020 – AUGUST 2020**

- **Technology:** React.js, Firebase, Figma | **Website:** [www.coolage.app](http://www.coolage.app)
- Led the initiative of implementing a 'website visits' counter that updates live, with 11700+ website visits
- Set up a Firebase database for the company to use in the future, which also links to the mobile application
- Designed and tested prototypes for the community page using Figma and Photoshop

## PROJECTS

**SYNERGYY, PROJECT MANAGEMENT DISCORD BOT** **APRIL 2020 – AUGUST 2020**

- **Technology:** Python, PostgreSQL, Heroku, and Discord.py | **Website:** [www.synergyy.ml](http://www.synergyy.ml)
- Built an automated project management Discord bot to manage events, to-do lists, polls, etc., in a Discord server, which has been used in 60+ servers with 300+ users
- Implemented a database using PostgreSQL for events and to-do lists, reducing response time by 20%
- Updated the event creation feature with Google Calendar integration, increasing users by 100+

**ESPERE, HACKATHON WINNING WEB APP** **JULY 2020**

- **Technology:** Vue.js, Flask, HTML, CSS, JavaScript | **Video Demo:** [youtube.com/watch?v=sdla\\_Wr\\_33g](https://youtube.com/watch?v=sdla_Wr_33g)
- Created web app using Google Maps and Foursquare API helping users find and navigate to local food banks, clothing donation centers, and homeless shelters. (All under 24 hours)
- Awarded first place at the Set.Hacks() hackathon out of 70+ teams and 270+ participants

**GOOGLE KEEP/TASKS CLONE, WEB APP USING VUE.JS AND FIREBASE** **JULY 2020**

- **Technology:** Vue.js, Firebase, HTML, CSS, JavaScript | **Website:** [jerry-cheng5.github.io/Keep-Tasks-Clone](https://jerry-cheng5.github.io/Keep-Tasks-Clone)
- Built a web app that merges Google Keep and Google Tasks together using Vue.js and Firebase

**PERSONAL WEBSITE, RESPONSIVE AND DYNAMIC WEBPAGE** **JUNE 2020**

- **Technology:** HTML, CSS, JavaScript, jQuery, Photoshop, and Figma | **Website:** [jerry-cheng5.github.io](https://jerry-cheng5.github.io)
- Designed and built a fully dynamic and responsive webpage from scratch to use as my personal website

## EDUCATION

**COMPUTER SCIENCE (BCS), UNIVERSITY OF WATERLOO** **EXPECTED GRADUATION: MAY 2025**

**Awards:** President's Scholarship of Distinction (95%+ Entrance Average)

**GPA: 3.84 / 4.0**

**Courses:** Object-Oriented Software Development, Algorithms Design & Data Abstraction, Functional Programs, Logic and Computation, Linear Algebra, Calculus 1 & 2

## LEADERSHIP / ACTIVITIES

**TOURNAMENT ORGANIZER, OTTAWA DISTRICT BADMINTON ASSOCIATION** **NOV - DEC 2019**

- Planned, organized, and coordinated an ODBA ranking tournament with 100+ players and 11 events

**PROGRAM LEADER, CITY OF OTTAWA** **AUG 2019 - MAR 2020**

- Organized and supervised various city-run sports programs and summer camps for clients of all ages