Fiona Wang

(437) 240-5487　|　✉ wang.fiona03@gmail.com　|　○ kjsbot　|　in fionaw03

Education

University of Waterloo   Waterloo, ON
Honors Bachelor of Computer Science, 3.6 GPA   *May 2026*
- **Courses:** Functional Programming, Data Structures and Algorithms

Skills

Languages　Java · C/C++ · Python · JavaScript · TypeScript · SQL · HTML/CSS
Technologies　Git · React · Django · Node.js · Express · MongoDB

Experience

The Weather Network   May 2022 - Aug. 2022
Incoming Software Developer Intern, Backend & Infrastructure   *Canada (Remote)*
- Weather Forecast Engine and Web APIs

Royal Bank of Canada   July 2021 - Aug. 2021
Software Developer Intern, Fullstack   *Canada (Remote)*
- Developed an internal meetings platform, improving the virtual experience and interactions of **1000+** developers and saving RBC teams **$16,800** annually on external and less secure platforms
- Implemented a fully-functional user dashboard with CRUD functionalities and condensed codebase by **44%** through building reusable components and code with **Angular** and **TypeScript**
- Wrote a **RESTful API** using Angular's HTTP client for retrieving API endpoints and setting up connections to a **MySQL** database
- Collaborated with 15 interns to build out new features in **agile** sprints and led weekly standups as scrum master

Education to Inspire   June 2020 - PRESENT
Web Developer   *Toronto, ON*
- Designed and developed the organization's website, *www.educationtoinspire.org*, resulting in up to **156 visits/week**

Agincourt Robotics Team   Sept. 2017 - June 2019
Programming Team   *Toronto, ON*
- Led bi-weekly **C#** workshops and co-developed the team's curriculum to teach fundamentals of robotics to **20+** students
- Ranked **top 4 of 25** teams in the 2018 Fall Fiesta and placed **top 8 of 38** teams in the 2018 Ontario District Durham College Event

Projects

YouDemy
React · Node.js · Apollo · GraphQL · PostgreSQL · YouTube API
- Currently working on an online learning platform that allows users to import Youtube playlists and view them as virtual courses

BookNook ○
React · Node.js · Express · MongoDB · Google Books API
- Built a web application that allows users to organize and filter through all of their saved books and track reading progress
- Fetched book data from Google Books API and processed JSON objects to retrieve relevant book information and suggestions
- Created a REST API, allowing authenticated users to perform end-to-end CRUD operations on their bookshelf/account

Music Player ○
React · Node.js · Express · Bootstrap · Spotify API
- Leveraged Spotify API's collection of songs, allowing users to search up and play songs and display their lyrics
- Wrote custom React Hooks to handle user authentication and created a RESTful API to retrieve data from API endpoints

Trimcipe: Recipe Trimmer and Cookbook ○
Django · JavaScript · Bootstrap · SQLite
- An application that trims a user-submitted recipe from 170+ sites and displays the ingredients, instructions, and relevant details
- Implemented user authentication and Django models, giving users the ability to save all their trimmed recipes in their account

Chess Engine ○
C++
- Created a player vs. player and player vs. computer chess engine with objected-oriented programming principles and design
- Implemented a chess bot with various levels of difficulty using a Minimax algorithm and Alpha–beta pruning