

Brighten Zhang

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SKILLS

Languages HTML, CSS, C/C++, Python, JavaScript, Racket
Tools & Frameworks React.js, Django, Flask

WORK EXPERIENCE

Summer Camp Counsellor — City of Toronto July 2021 - August 2022

- Collaborated with other counsellors to design and lead engaging camp activities for young children aged 6 to 12
- Fostered positive social connections between campers and eased pandemic anxiety
- Maintained clear communication with parents and guardians

Open Gym Monitor — City of Toronto January 2022 - April 2022

- Monitored gym activities during open recreation hours

PROJECTS

Moraband Chess Engine | Github

- Developed a UCI-compatible chess engine in C++ using modern search and evaluation techniques
- Search function applies a traditional alpha-beta algorithm within a nega-max search framework
- Evaluation features include tapered material values, mobility and piece-square tables
- Lichess account hosted on the Heroku cloud as a python app using worker dynos

imgdb image host | Github

- Image-hosting web app using Node JS

EDUCATION

University of Waterloo, BAsC Computer Science, GPA: 90.0/100 09/2022 - 04/2027

- University of Waterloo President's Scholarship of Distinction (2022, 2023)
- Applied ideas and concepts from the functional programming paradigm using Racket in CS135: Designing Functional Programs
- Developed critical presentation skills and applied speech design concepts in SPCOM223: Public Speaking

MATH AND COMPUTING CONTESTS

USACO Promoted to Gold division during the United States Computing Olympiad's February 2022 contest

CCC Scored in the top 25% of contestants on the 2022 Canadian Computing Competition

Euclid Scored in the top 25% of contestants on the 2022 Euclid Contest