

Dylan Faelker

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Skills and Abilities

Technical Skills

- Java, Racket, Python, Pandas

Career Development

Zero Experience | September 2021 - October 2021

Lifeguard | Town of Oakville | September 2018 - August 2021

- Perform Swim and Water Tests
- Watch the pool for first aid or emergency situations that occur
- Prevent incidents that may cause a safety issue
- Help in emergency situations

Swim Instructor | Town of Oakville | September 2019 - August 2021

- Organise lesson plans
- Teach children proper swimming technique
- Evaluate children's swimming technique
- Encourage children to be safe and have fun in the water

Zero Experience | September 2021 - October 2021

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Projects

Stock Portfolio Creator

- Constructed a web scraping program which uses pandas and numpy in order to collect data from Yahoo Finance and produce a portfolio of the most volatile stocks
- Utilised threading technology to decrease the runtime of web scraping to 7% of previous run time

FENDecoder

- Developed a program which parses the Edwards-Forsyth Chess notation onto a visual chess board

InfinityChess

- Implemented a game which extends upon the traditional chess experience by adding a feature where the edges of the board wrap, allowing for an 'infinite' board.

Full stack application(front end -angular, backend-java, database -sql)

Python stockmarket predictor (numpy)

Education

University of Waterloo | September 2021 - April 2026 (Expected)

Candidate for Bachelor of Computer Science and Finance Management

Waterloo, Ontario

Relevant Courses

- CFM 101, CS 135, CS 136

Achievements

Academics

- Earned an average of 98.2% in Grade 12
- Placed in the top 25% of the Waterloo Cayley Math Contest 2019

Running

- Placed 3rd in age group at the 2017 ROAD2HOPE 10 km in Hamilton
- Placed 1st in age group at the 2018 Jungle Run Adventure Run

- Placed 52nd out of 1204 in the 2018 Mississauga Hazel 5 km
- Paced 247th in age group at OFSAA Cross-Country 2018

Interests