Daniel Crha

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EDUCATION

Wilfrid Laurier University   **Waterloo, Ontario**
Bachelor of Computer Science   *September 2019 - September 2023*
- **Relevant Coursework:** Artificial Intelligence, Data Structures and Algorithms, Databases, Operating Systems, Computer Networks, Object-Oriented Programming, Computer Security, Cryptography, Image Processing & Recognition, Android Programming, Computer Graphics, Data Visualization

WORK EXPERIENCE

Guelph Soccer   **Guelph, Ontario**
Soccer Referee   *May 2016 - September 2019*
- Managed games with up to 30 players, making quick decisions and managing conflicts on the spot
- Communicated effectively with coaches and players to explain rules and resolve disputes
- Maintained accurate records of game scores and player statistics

Futures Kidzone   **Guelph, Ontario**
Gymnastics & Ninja Instructor   *January 2018 - September 2019*
- Developed lesson plans and coached students of all ages and skill levels
- Communicated effectively with parents and students to provide feedback and track progress
- Fostered a safe and inclusive learning environment, emphasizing teamwork and goal-setting

Self-Managed Lawn Care Service   **Rockwood, Ontario**
Yard Maintenance   *June 2015 - July 2017*
- Performed physical tasks in a timely and efficient manner, always working independently
- Demonstrated attention to detail in completing tasks such as mowing, edging, and trimming

LEADERSHIP EXPERIENCE & ACTIVITIES

My personal projects can be found on my Github profile: github.com/danielcrha

Android Calorie Tracking App Development   **Wilfrid Laurier University, Waterloo, Ontario**
Project Lead   *September 2022 - December 2022*
- Led a team of 4 students in developing a calorie counting app for an Android programming course
- Assigned tasks, set deadlines, and monitored progress to ensure timely completion of the project
- Worked closely with team members to provide guidance and mentorship on coding and design
- Successfully delivered the project, receiving a high mark from the course instructor

Honeywell Leadership Challenge Academy   **U.S. Space and Rocket Center, Huntsville, Alabama**
Participant   *February 2019*
- Attended a leadership development program at the U.S. Space and Rocket Center, focused on team building and leadership skills
- Participated in robot and model rocket building activities, developing problem-solving and technical skills
- Simulated a shuttle takeoff and landing, acting as a pilot and demonstrating quick decision-making skills and attention to detail

SKILLS & INTERESTS

Tech Stack: Proficient: Javascript, React.js, Next.js, Typescript, HTML, CSS, Python, Java, PHP, Git, Github, MySQL, MongoDB
Some Experience: Node.js, C, C++, XML, MATLAB, PROLOG **Editors/Other Software:** Apache, Docker, VirtualBox, JUnit, Gradle Visual Studio Code, Eclipse, Android Studio, Windows, Linux, Mac, Microsoft Office, Adobe Photoshop, Illustrator, Premiere Pro, Sony Vegas, Blender, SketchUp
Spoken Languages: English (Native), Intermediate French (DELF B1 Certified), Conversational Spanish
Interests: AI, Electric Vehicles (Automobiles and PEVs), Computer Software & Hardware, Gaming, Fitness