# PARSA YADOLLAHI
## STUDENT

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## Skills

**TECHNICAL - EXPERIENCED**
Python
Java
Bash

**TECHNICAL - FAMILIAR**
C
Sass
HTML/CSS
Agile
React

**TOOLS**
Git
Jenkins
Tox
Makefile

**LANGUAGES**
English
French

## Hackathon

**ImplementAi** — Sept. 2019
YouCompress

**HackPrinceton** — Nov. 2018
CourseTalk

**HackHarvard** — Oct. 2018
Attendee

**McHacks** — Feb. 2018 to 2019
Attendee

**ConUHacks** — Jan. 2018 to 2019
Attendee

**McGill Competitive Programming** — 2019 to Current
- Member of McGill's Competitive Programming club
- Club hosting programming challenges & coding competitions year-round

## Education

### McGill University
Sept. 2018 to May 2022
Undergraduate B.Sc Computer Science
Sophomore Computer Science major

### Vanier College
Sept. 2015 to May 2018
Quebec College Diploma - DEC Pure and Applied Science
Part of the Sport Study program

## EXPERIENCE

### Cisco Systems
Ottawa, Ont
Software Engineer Intern
May 2019 to Sept. 2019

*Project - Python Automated Testing Systems Group (pyATS - Genie)*
- Developed **parser** libraries to structure data given by various networking protocols on Cisco's testbeds.
- Designed **Static & Dynamic** Analysis tools to test pyATS' codebase such as **Cythonize**, code **coverage**, and **linting** tools.
- Enhanced pyATS packaging and project distribution.
- Built **Jenkins** pipeline to validate automated test cases on nightly/weekly bases.
- Automated and standardized Python **testing** for different interpreters using **Tox**.
- Improved performance, security, and reliability of existing **pyATS** libraries achieving up to **30% increase** in runtime speed.

### Unigym Gymnastics Club
Gatineau, Qc
Gymnastics Coach
2011 to 2013
- Taught artistic gymnastics fundamentals for ages 6-18.
- Worked on Program supervision, schedule coordination, and communication.
- Planned daily training and engaged in peer mentoring.
- Obtained NCCP Gymnastics Foundations Level 1 Certification.
- Learned Basic First Aid, Respect in Sport and "Making Ethical Decisions" certificates.

## Projects

### YouCompress - ImplementAI
Sept. 2019
*Python program that compresses videos by extracting segments where humans are detected.*
- Used **wrnchAI Cloud API** to detect and gather statistics on human movements.
- **React** frontend designed to display **graphical analysis** of data gathered by the program.
- Feature extraction and image manipulation using libraries such as **Numpy** and **OpenCV**.

### Course Talk - HackPrinceton
Nov. 2018
*Web-based project focused on connecting University students who have common courses by automatically adding them to group conversations.*
- Designed frontend using **React.js**.
- Designed backend using two instances of **Node.js**, one to run the Web Application on **Express.js** and one to handle the React frontend.
- Project bundled using **Webpack**.
- Web app hosted on **Heroku** cloud platforms.

## Sport

### Gymnastics
- Practiced a total of 16 years of men's Artistic Gymnastics.
- Devoted 25 hrs of athletic training per week.
- Completed 7 national level competitions throughout 6 years.

### National Competitions - Highlights
- Elite Canada National Competition 2017 (Bronze Medal – Rings | Top 8 Canada).
- Canadian Gymnastics Championships 2015 (Top 8 Canada).
- Canadian Gymnastics Championships 2014 (Silver Medal – High Bar | Gold Medal - Team Event).
- Canadian Gymnastics Championships 2013 (Top 6 Canada).