

Yann Sartori

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Github: <https://github.com/yannsartori> Personal Website: <https://cs.mcgill.ca/~ysarto/>

Education

B.Sc Honours Computer Science, McGill University

September 2018 - May 2021 (Expected)

- Cumulative GPA (as of August 1st, 2020): 3.96

Awards and Honours: • Tomlinson Engagement Award for Mentoring • George and Lidia Petras Scholarship • Dean's Honour List (Science)

Experience

Summer Computing Student Intern

Lawrence Livermore National Laboratory, Livermore, CA

June 2020 - August 2020

- Contribute to the Darc App codebase by developing major, new features; fixing bugs; and reviewing other developers' code in the Angular frontend and Python middleware
- Support the Darc App infrastructure by improving the build, test, and deploy processes.
- Technologies: Angular 9, Typescript, Python, FastAPI framework, MarkLogic

Private, Self-Employed Tutor

Naperville, IL

July 2019 - August 2019

- Tutored local neighbourhood children, primarily in middle school math (pre-algebra and algebra) and English (reading comprehension, grammar and mechanics, and writing).

Relevant Personal and Academic Projects

See Github for source code, and for each project, my goals and the particular aspects of which I'm proud.

- For a compilers course: a compiler for a subset of GoLang which targets the C language, written in C. Developed with two other classmates.
- A personal website for hosting JavaScript projects and venturing into web development using HTML5, CSS3, and JavaScript.
- A Tetris clone. Made in JavaScript with HTML5's Canvas
- A video game raycaster with first-person navigation. Made in JavaScript with HTML5's Canvas.
- A Pac-Man clone. Made in JavaScript with HTML5's Canvas.
- A Sudoku solver and generator, using a back-track approach. Made in JavaScript with HTML5's Canvas.
- Gabriel Cirulli's popular 2048 game. Made in JavaScript and CSS3.
- A graph generator with support to apply various algorithms such as Dijkstra, Floyd Warshall, and Edmonds Karp. Made in JavaScript with HTML5's Canvas.

Volunteer Experience

Tutoring in Computer Science Courses

Computer Science Undergraduate Society Help Desk, McGill University

January 2019 - Present

- Collaborated with 45 other undergraduates. Tutored for various introductory and sophomore level computer science courses.

Skills

Languages: Native English speaker, fluent in written and spoken French

Programming languages: C, Java, MIPS Assembly, OCaml, Python, Typescript

Web Development: Angular framework, CSS3, FastAPI framework, HTML5

Applications and Software: Bash, Eclipse, Excel, GDB, Git, Google Spreadsheets, UNIX, VSCode