

SARAH YOUINOU

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EDUCATION

McGill University (Sept. 2020 - May 2024)

Major: Computer Science

Relevant coursework: Introduction to Computer Science, Discrete Structures, Linear Algebra and Geometry, Software Systems, Computer Systems

EXPERIENCE

Google Computer Science Summer Institute (July 2020)

- Selected for an intensive 4 week programming institute
- Coded mini-projects every day in html, css, and p5.js
- Collaboratively built Dungeons and Dragons character creation web app as final project

Girls Go Cyberstart Nationals (May 2020)

- Qualified for Girls Go Cyberstart national CTF competition by passing two stages of concept application testing
- Effectively applied a variety of cyber security concepts including cryptography, digital forensics, open source intelligence gathering, and Linux command line
- Placed 3rd statewide

Idaho National Laboratory Internship (June - July 2019)

- Reverse engineered executable files through binary analysis
- Improved 'angr' binary analysis software to send data to OrientDB graph database using Python
- Tested and debugged code
- Collaborated with industry professionals using Git
- Participated in employee CTF event

Ammon City Capture the Flag (April 2018)

- Used WireShark to perform packet capture / analysis
- Utilized Linux command line to modify files

TECHNICAL SKILLS

Hard skills: JavaScript, Java, HTML/CSS, p5.js, Linux, LaTeX

Soft skills: Leadership, collaboration

Languages: English, French

ACTIVITIES / LEADERSHIP

BUILT BY GIRLS (2020 -)

- Participated in one on one professional development workshops with CS professional

Girls Who Code Club President

(2019 - 2020)

- Founded local branch of Girls Who Code
- Taught programming logic, scratch, python, and cyber security concepts to disadvantaged students

Skyline Marching Band Drum

Major (2018 - 2020)

- Served as conductor of Skyline High School Marching Band

PROJECTS

Mock Review Website (May 2020)

- Utilized HTML, CSS, and JQuery to create a mock tech review website

D&D Character Creator App (May 2019)

- Improved ease of character creation among users
- Designed user friendly interface