

Sari Pagurek van Mossel

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Github: <https://github.com/saripagurek>

EDUCATION

- Queen's University Bachelors of Computing Honours with Minor in Film and Media (Expected Graduation 04/25)
 - Achieved Faculty of Arts and Sciences Dean's Honours List (2021 - 2022)

EXPERIENCE

Software Developer

- Queen's University Visual Cognition Lab (with Professor Monica Castelhana)
 - Working alongside psychology graduate students, developing research and data analysis software for cognition and perception studies using C#, Unity, and Python

May 2023 -
Continuing

Photographer

- MUSE Magazine
 - DSLR creative and editorial photography for the print and online magazine

May 2023 -
Continuing

Development Team Lead & Web Designer

- Canadian Youth for Youth Empowerment
 - Managing and collaborating with a team of five developers and UX designers to create a mental health based online platform using React.js

January 2023 -
March 2023

UX Design Intern

- Goodself Co.
 - Lead responsibility in creating and updating app UI design features in Figma to coincide with code and visual functionality, [View work samples here](#)
 - Effectively conducting quality assurance testing using code pull requests from Github using command line, Visual Studio Code, and Xcode Simulator
 - Strategizing and creating static and motion graphic content for marketing using After Effects, Premiere Pro, Illustrator, Photoshop, and Canva

May 2022 -
Continuing

Web Developer

- Queen's Women in Computing (QWIC) at Queen's University
 - Creating and implementing new features to the QWIC website using HTML and CSS; updating previously existing pages to be mobile friendly

April 2022 -
Continuing

Head of Portfolio Photography

- Vogue Charity Fashion Show (VCFS) at Queen's University
 - Managing and organising the photography crew through shoots and editing

April 2022 -
March 2023

Layout Designer

- QUILT Undergraduate Literary Publication at Queen's University
 - Formulated and collaborated on magazine layouts, covers, and illustrations in Adobe Creative Suite, [View latest publication here](#)

January 2022 -
June 2022

Technician & Teacher's Assistant

- Ottawa School of Art
 - Taught artistic techniques, planned daily activities, & organised art materials

2018 - 2021

PROJECTS

Predicate Logic Calculator: [View Here](#)

- Implemented a recursive Python algorithm to parse and evaluate a given predicate logic expression and return a completed truth table
- Interfaced the Python code with React.js using brython (a JavaScript based Python interpreter)

Personal
Project 2022

Flood Fill Algorithm: [View Here](#)

- A Java algorithm that reads text files of 2D arrays and recursively fills enclosed regions of empty cells to complete an image

Academic
Project 2022

Document Reader: [View Here](#)

- A Python script which, using the library tkinter, reads through a given directory of text files and uses Jaccard's Similarity Measure to determine the most similar files, disregarding common stop words

Academic
Project 2022

Personal Portfolio Website: [Saripagurek.com](https://saripagurek.com)

- Designed in Figma; created using HTML, CSS, and JavaScript
- Gained a strong knowledge of HTML and CSS through multiple iterations of the website, as well as the ability to implement design ideas preplanned in Figma

Personal
Project 2021

Generative 3D Shapes: [View Here](#)

- Gained a working knowledge of the graphics library p5.js
- Created an OBJ exporter to enable 3D printing by collecting vertices of cubes

Personal
Project 2020

SKILLS

Languages and Frameworks:

HTML, CSS, Python, JavaScript, Github, Java, Linux Bash Shell Scripting, C, C#, React.js, Processing, Unity

Experience with libraries: pytest, pydoc, tkinter, matplotlib, numpy, pandas, and p5.js

Software and Tools: Figma, Adobe Creative Suite, XCode, Github, LaTeX

AWARDS

Creative Computing Showcase at Queen's University Best Art Project (2023)

HackHer (Queen's University Hackathon) First Place Category Winner in Food Insecurity & Social Good (2023)

Queen's University Principal's Scholarship for Academic Excellence (2021)

OCDSB Silver Medal given to averages of 90+ (2019-2021)

Ontario Scholar Award (2021)

Lisgar Collegiate Institute Michael Rust-Smith Memorial Award for Excellence in Arts and Science (2021)

Lisgar Collegiate Institute Award for Excellence in Visual Art (2021)