

Simon Zychowski

Full Stack Developer

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Education

Bachelor of Science: Major: Computer Science; Minor: General Psychology, Aug 2022 - Present

Morningside University

GPA: 3.11

Employment history

Quality Assurance Tester, Feb 2024 - Present

Superleague, Remote

- Conduct thorough software testing, identifying and documenting bugs.
Collaborate with developers to enhance product quality and user experience

Courses

Crafting Webpages, Aug 2022 - Dec 2022

Morningside University

Software Engineering, Jan 2023 - May 2023

Morningside University

Creating Software, Jan 2023 - May 2023

Morningside University

Data Science, Aug 2023 - Dec 2023

Morningside University

Data Structures, Algorithms, Algorithmic Analysis, Aug 2023 - Dec 2023

Morningside University

Embedded and Realtime Programming, Jan 2024 - May 2024

Morningside University

Computer Systems from Microcode and Above, Jan 2024 - May 2024

Morningside University

Introduction to Computer Security, Aug 2024 - Dec 2024

Morningside University

Advanced Topics in Computer Science, Aug 2024 - Dec 2024

Morningside University

Real-time Interactive Computer Simulations (in progress)

Morningside University

Mechanical Learning (In Progress)

Morningside University

Cloud Computing (In Progress)

Morningside University

Skills

Microsoft Office Suite
(Skillful)

React (Experienced)

JavaScript (Experienced)

CSS (Experienced)

HTML (Experienced)

GOLang (Skillful)

Python (Experienced)

Google Cloud
(Experienced)

Node.js (Skillful)

C# (Skillful)

Quality Assurance
(Experienced)

Cloud Computing
(Experienced)

Docker (Experienced)

Links

GitHub: [github.com](https://github.com/saz002),

LinkedIn:
[www.linkedin.com](https://www.linkedin.com/in/saz002).

Projects

Flint Neighborhood Oral History Website, Digital & Public Humanities - Fall 2024

Assisted in designing and finalizing the overall layout and appearance of the Flint Neighborhood Histories website. Built the foundational framework for the site, implemented URL navigation, and ensured compatibility with popular web browsers.

Technologies: React, CSS

URL: <https://flintneighborhoodhistories.org/home>

Flint Neighborhood Oral History Backend, Digital & Public Humanities - Fall 2024

Created a python flask backend hosted on Google Cloud Platform used to display media and information retrieved from the bucket to the webpage. Worked to not only make a functional backend but help find ways to speed up slow loading times as the project progressed.

Technologies: Python, Flask

URL: <https://flintneighborhoodhistories.org/home>

Automated Deployment of Website Updates, Digital & Public Humanities - Fall 2024

Set up a GitHub repository and configured GitHub workflows to automate the build and deployment process for the Flint Neighborhood Histories website. Ensured stable updates were deployed to the cloud-hosted version on Google Cloud Platform.

Technologies: GitHub, GitHub Actions

URL: <https://github.com/simonmorningside/FlintPark>

Cloud Based Automated Image Conversion, Digital & Public Humanities - Fall 2024

Created an automation project using Node.js on Google Cloud Run to handle image uploads. The program made copies of images uploaded to a cloud storage bucket, converted the copies from .TIFF to .PNG and .WebP formats, and organized them into specific folders in the bucket.

Technologies: Node.js

Note: private (cannot be shared with public)