Shaq Singh

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github.com/shaqsingh/

Education

University of Toronto (St.George)   2020

  B.Sc. Double major in Computer Science and History & Philosophy of Science & Technology.

Work

Technical Instructor, Black Futures Now, Toronto, ON   10. 2019 – Present
  I designed and am currently implementing a curriculum to teach a group of young adults HTML/
  CSS, Javascript, GIS, and a mapping API in order to build a website.
  I'm documenting the teachings in a custom textbook.

Software Developer, Civic Hall Toronto, Toronto, ON   06. 2018 – 08. 2019
  Built a web app using React for the City of Toronto.
  Moved their paper-based grant processing system onto a digital Grant Management System.

Research Assistant, University of Toronto, Toronto, ON   05. 2018
  I assisted professor Matt Price on a trip to India. I helped set up and run technical workshops that
  aimed to help participants gain the skills needed to build and maintain basic websites.

Research Assistant, Critical Making Lab, UofT, Toronto, ON   01. 2018 – 04. 2018
  Conducted research, built prototypes and assisted in interviews for a project aiming to make
  civic data accessible to visually impaired people.

Research Assistant, Technoscience Research Unit, UofT, Toronto, ON   04. 2017 – 08. 2017
  Designed and developed a website for the Environmental Data & Governance Initiative.
  Conducted data analysis for academic reports. Produced interactive data visualizations.

Projects

An extent based file system written in C. Used FUSE, gdb, strace (coursework)
A message queue written in C. Used locks, condition variables and I/O multiplexing (coursework)

Skills

Languages Javascript, HTML/CSS, Python, C/C++, LaTeX.

Tools & Frameworks React, Node, Express, QGIS, PostgreSQL, Git, Jekyll, WordPress, Unix
command line, Adobe Photoshop/Illustrator/InDesign.

Activities

Steering committee member, Civic Tech Toronto

Venue Sponsorship Lead   08.2017 – 08.2018
I talked organizations such as McKinsey & Co., Rangle, Ontario's Open Government Office, and
Sidewalk Labs into hosting the weekly hacknights in their spaces and sponsoring the dinners.

Communications Lead   09.2016 – 07.2017
I wrote all social media posts in order to expand our audience.