Fawaz Omidiya

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EDUCATION

University of Toronto — Toronto, ON
Bachelor of Science in Computer Science, Astrophysics — *Sep 2022 – May 2026*

- **Relevant Coursework**: Introduction to Programming, Calculus with Proofs, Multi-variable Calculus, Linear Algebra, Introduction to Computer Science II, Discrete Mathematics, Mathematical Expression And Reasoning for Computer Science

Phillips Exeter Academy — Exeter, NH
Mens Varsity Basketball Captain, Co-head of Black Student Union — *Sep 2019 – June 2022*

TECHNICAL AND PERSONAL SKILLS

Languages: Python, C/C++, SQL (MySQL), JavaScript, HTML/CSS
Frameworks: React, Django, Flask
Developer Tools: Git, Google Cloud Platform, VS Code, Visual Studio, PyCharm
Libraries: pandas, NumPy, Matplotlib, Tkinter
Personal Skills: Forward Thinking, Growth Mindset, Leadership, Teamwork

PROJECTS

Personal Website | *HTML, CSS, JavaScript, Github* — Jan 2024

- Designed a personal website linked at the top of this resume using interactive JavaScript and CSS properties for User Experience
- Enhanced SEO using lighthouse and Google Analytics.
- Routed DNS for a custom domain name using Github Pages

Poll Application | *Python, Django Rest Framework, RESTful API, HTML/CSS, MySQL* — Jan 2024

- Designed and implemented RESTful APIs using Django REST Framework, defining endpoints for accessing poll data, submitting votes, and retrieving results.
- Defined URL patterns using Django's URL routing mechanism to map URLs to corresponding views, enabling navigation within the application and facilitating RESTful API endpoints.
- Defined Django models to represent poll questions, choices, and related data structures. Utilized Django's ORM (Object-Relational Mapping) to interact with the database, ensuring data integrity and efficient data retrieval.

Blog Application | *Flask, Python, MySQL, HTML/CSS, Jinja2, Github* — Dec 2023

- Designed and deployed a blog using Python and Flask backend, and HTML/CSS to handle frontend
- Implemented user authentication features, allowing users to register, log in, and securely access account information.
- Developed functionalities for users to Create, Read, Update, and Delete blog posts, demonstrating proficiency in database integration and manipulation.
- Defined routes and views to handle HTTP requests and responses, ensuring seamless navigation and interaction within the application..

EXPERIENCE

Literature Mapping Research Assistant — June 2023 – October 2023
University of Toronto — *Toronto, ON*

- Authored a research paper documenting the findings and insights derived from the literature mapping research. Collaborated with co-authors to refine the paper, present the research methodology and results, and contribute novel insights to the body of knowledge in Computer Science education. Successfully submitted and presented the paper at the SIGCSE Research Symposium, garnering recognition and acclaim from peers and educators.
- Utilized data visualization techniques and mapping tools to create visual representations of the relationships between different Computer Science education methods. Developed conceptual maps, taxonomies, and graphical models to illustrate the interconnections and dependencies among educational strategies