S.A. **Newaz Saif**

SOFTWARE ENGINEER · DATA SCIENTIST · TECH ENTREPRENEUR

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"Make the change that you want to see in the world."

Education

The University of Melbourne	*Melb, Vic, AU*
Bachelor of Science (Computing and Information Systems)	*Feb 2014 - Dec 2020 (expected)*

• Coursework : Algorithms & Data Structure, Machine Learning, Database Systems, Computer Systems, Artificial Intelligence etc.

Awards

Aug 2016	**4th place (UniMelb) or 7th/24 (Victoria),** Victoria Collegiate Programming Contest	*Melb, Vic, AU*
May 2017	**1/120 (Australia) and 1/12 (Victoria),** Accenture Future Technology Leaders' Program	*Melb, Vic, AU*

Volunteering and Work Experience

TedxUnimelb	*Melb, Vic, AU*
Event Organizer	*Jan 2015 - June 2015*

• Planning, strategizing, facilitating and assisting in hosting different talk shows that helps bring out Melbourne's brightest and inspiring minds.

The University of Melbourne	*Melb, Vic, AU*
Student Representative	*Feb 2014, July 2015*

• Acted as the student-faculty liaison for COMP10001, MAST10007, ELEN20005.

Personal Projects

Data Collector Web Application	*Melb, Vic, AU*
	Jun 2019 - Sept 2019

• A simple app to store managed datasets.
• Store data, add stats and context and email back values. Languages and tools used : PostgreSQL, Flask, Python, HTML, CSS.

Webcam Motion Detector	*Melb, Vic, AU*
	Jun 2018 - Feb 2019

• Detect, highlight moving objects in real time webcam video recording the timestamps of entry and exit of objects in the video frame. Languages and tools used : Python, OpenCV, Pandas.

Web Maps	*Melb, Vic, AU*
	Dec 2017 - March 2018

• Create maps for geospatial statistical purposes adding context by region.
• Geo polygon layers and choropleth maps for better tracking Languages and tools used : PostgreSQL, Flask, Python.

Competencies

Programming	Python (8 yrs), C(6 yrs), C++ (1 yr), (JAVA (2 yrs), Javascript, LaTeX
Frameworks	Django , Express (2 yrs), HTML5 (2 yrs), OpenCV (2 yrs), Flask (3 yrs), HTML5 (2 yrs)
Databases	MySQL (2 yrs), PostgreSQL (2 yrs), MongoDB

Strong analytical and problem solving skills; excellent team spirit and ability to withstand pressure, consistency and punctuality