Hassaan Ali Wattoo

1931 Duffield Street
Ann Arbor, MI, 48109-2080
(734) 882-7048
hawattoo@umich.edu ‖ https://hassaanaliw.me

SKILLS

Proficient in Python (Flask, BeautifulSoup, Requests, Django), React, C++, Heroku, Git, Bootstrap, CSS

PROJECTS

- **GradeGuide (https://gradeguide.com)** Grade Guide allows students to view grade distributions for any class on offer at the University of Michigan. I was responsible for parsing data into a MySQL database, optimising performance for the Flask backend and writing the data management pipeline for the React frontend.
- **CaptionGen (http://projects.hassaanaliw.me/captions)** A Javascript and Flask (Python) based web application that leverages Google Vision APIs and scrapes popular quotes websites and lyric websites to generate image captions based on objects present in the image**.**

EXPERIENCE

The Michigan Daily - *Senior Software Developer*
OCTOBER 2017 - PRESENT

- Senior developer for team of 15+ people
- Lead Developer for GradeGuide, a web application for visualising data for every course offered at the University of Michigan

Next Generation Pakistan - *Director Information Technology*
SEPT 2016 - SEPT 2017

- Rewrote Wordpress website to be mobile responsive and more efficient. Saw over 500,000 hits in one year.
- Led the graphic design team. Created social media posters and real life standee designs.

EDUCATION

University of Michigan - *B.S.E. in Computer Science Engineering*
Sep 2017 - Apr 2021 (Expected)

- Peer Mentor for Living Arts Learning Community
- Completed coursework includes Discrete Math, Data Structures, Entrepreneurial Design: IoT Devices, Differential Equations, Multivariable Calculus, Intro to Autonomous Electronic Systems.

AWARDS

- **President of Pakistan Gold Medal** for excellence in Academics at Aitchison College across 12 years.