

Hassaan Ali Wattoo

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SKILLS

Python, React, Web Scraping, JS, C++, Heroku, Git, CSS, MATLAB, GoLang, SQL.

EXPERIENCE

The Michigan Daily - Managing Web Editor

Nov 2018 - Present

Previously Senior Web Editor (November 2017 - October 2018)

- Elected to lead team of 30+ developers and product designers.
- Responsible for leading the organisation's digital strategy by maintaining existing products and developing new ones.
- Coordinating and improving development by implementing agile team management.
- Leading development of organisation website and mobile app as well as GradeGuide, a course evaluation web application.

Punjab IT Board - Software Development Intern

May 2018 - August 2018

- Developed database analysis software for the Punjab Public Management Reform Program (PPMRP).
- Analysed applications from 4 different departments serving hundreds of thousands of civilians.
- Developed model for an integrated dashboard to enable smoother decision making.

PROJECTS

GradeGuide - <https://gradeguide.com> - Flask, ReactJS, SQLite, SASS, CircleCI, Nosetests

- Leading team that built a web app to host and display U.M. course grade data.
- Received more views than any other project undertaken at the newspaper.
- Developed database structure, application API in Python and frontend in React.
- Setup testing environment, automated project installation and deployment.
- Integrated CI system to allow seamless deployment to production.

ChromePass - <https://github.com/hassaanaliw/chromepass> - Python

- Identified how Google Chrome stored passwords in plaintext on some operating systems
- Developed a tool to retrieve the passwords and export them into human friendly formats.

Michigan Daily Mobile App - React Native

- Leading development team to develop first native mobile app for The Michigan Daily
- Conducting user studies to improve app design and user experience from initial iteration of webview app.

EDUCATION

University of Michigan - B.S.E. in Computer Science Engineering Sept 2017 - Dec 2020

- [Coursework] Algorithms and Data Structures, Computer Organisation, Graphic Design Discrete Math, Entrepreneurial Design: IoT Devices, Differential Equations, Multivariable Calculus, Creative Process