VIVEK HANASOGE

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EDUCATION

University of Michigan - Ann Arbor, MI (2017 - Present)
Major: **BSE Electrical Engineering**
Expected Graduation: May 2021

Relevant Coursework: Discrete Mathematics, Programming and Data Structures, Data Structures and Algorithms, Intro to Circuits, Intro to Logic Design

EXPERIENCE

CROMA Research Lab
Undergraduate Research Assistant – Ann Arbor, MI May 2019 – Present

- Currently working on research project "Disposable Classifiers", which involves using computer vision algorithms in conjunction with crowdsourcing to create a set of rules that defines a user query and then use a classifier that can identify the query within a long video.

HAI Engineering Consultants
Engineering Intern – West Bloomfield, MI May 2018 – Aug 2018

- Maintained records of ISO 17025 and ISO 9001 engineering standards for use in audit reports and customer interaction.
- Validated companies according to ASTM standards in relation to testing and calibration of measuring devices
- Participated as an observer with auditing team on customer audits.
- Used MATLAB to evaluate material data sets through inter-laboratory comparison.

PROJECTS

Personal Website (HTML & CSS): May 2019 – June 2019

- Developed a professional website that displays information about myself such as my projects, academic interests, resume, and extracurricular activities.
- Used HTML and CSS to learn intricacies of web design and can be found at https://vivekh99.github.io/Viveks_Website.

To-Do List to Lock Screen Android App (Java): December 2018 – February 2019

- Programming android application that shows user a To-Do list from which they can input a list of tasks and save those tasks to avoid data re-entry.
- User can also take a screenshot and open the Gallery app to view the screenshot all from within the app, and then choose to set it as their lock screen.

Machine Learning Classifier (C++): November 2018 – December 2018

- Developed a Bayesian statistical model to classify discussion board posts into predefined categories to an accuracy of 87%.
- Used supervised machine learning techniques in conjunction with probabilistic word frequencies to infer likely groupings for each post.

U-M Electric Racing Team: September 2018 – January 2019

- Worked as a junior engineer on EV sub-team as a PCB designer.
- Used Altium Designer 19 to help create schematics of a PCB involved in arbitrating between brake and accelerator pedal plausibility.

SKILLS AND TRAINING

- Software: C++, Java, Python, HTML, CSS, MATLAB, Verilog, Git, SQL
- Hardware Design: LTSpice, Altium Designer 19, Quartus II CAD
- IDE/Editors: Visual Studio, Android Studio, Visual Studio Code, IntelliJ, Sublime
- GitHub: https://www.github.com/vivekh99