

Mahima Shanware

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EDUCATION

CARNEGIE MELLON UNIVERSITY

BS IN INFORMATION SYSTEMS,
MINOR IN COMPUTER SCIENCE
Expected May 2022 | Pittsburgh, PA

MONTA VISTA HIGH SCHOOL

Jun 2018 | Cupertino, CA

LINKS

mahimashanware.github.io
github.com/mahimashanware
linkedin.com/in/mshanware539/

SKILLS

LANGUAGES

Python, C, HTML5, JavaScript, CSS3, R, SQL

LIBRARIES/Frameworks

React, Express, Node.js, jQuery, Vue, Highcharts

COURSEWORK

UNDERGRADUATE

FUTURE (FALL)

Principles of Functional Programming
Natural Language Processing
Database Design & Development
Intro to Probability Theory
Android Development

PAST

Principles of Imperative Computation
Fundamentals of Programming & CS
Concepts of Mathematics
Statistics & Data Science Methods

OTHER

Kappa Kappa Gamma
CMU Raasta – Fundraising Chair
Society of Women Engineers
Volleyball, Hiking

EXPERIENCE

CMU, LANGUAGE TECHNOLOGIES INSTITUTE | SOFTWARE DEVELOPMENT RESEARCH ASSISTANT

May 2019 - Present | Pittsburgh, PA

- Currently integrating recording of audio and video during experiment trials with Python in different phases and programming GUI to guide participant through all parts.
- Quantifying movement data through Logitech's Brio webcam to record subject's stuttering frequency under different stress conditions.

CMU, SCHOOL OF COMPUTER SCIENCE | TEACHING ASSISTANT

Starting August 2019 | Pittsburgh, PA

- Will teach algorithmic thinking and programming, as well as lead a 30-student recitation. Topics include Python, algorithms, efficiency, testing, data structures, testing and debugging, and recursion.

HEART N SPICE | INTERN

June 2017 – August 2017 | Palo Alto, CA

- Designed and implemented a new Chrome Extension built with JavaScript that allowed users to obtain nutritional facts and a health rating from a recipe website page.
- Communicated and collaborated with a multi-disciplinary team of engineers, designers, producers, and clients on a daily basis.
- Feature advised users of suitable recipes by parsing website data, analyzing the ingredients, and comparing recipe attributes to a user's health profile.

MYVILL | DATA ANALYSIS INTERN

June 2016 – August 2016 | Cupertino, CA

- Performed data collection in the form of reviews for after-school programs for the iPhone application MyVill by engaging directly with the Silicon Valley at community events.
- Guided an iterative cycle of user research for multiple features to discover pain points and possible solutions. Analyzed results statistically in R and presented weekly reports to the CEO.
- Developed the feature "Global Report Card" in Python, which compared users across the world.

PROJECTS

MEDTYPE | November 2018 | bit.ly/medtypedemo

- Created a stroke detection device using Python and tkinter to analyze a user's typing abilities over time to determine whether that user is at risk for a stroke in the near future.
- Implemented a K Nearest Neighbors machine learning algorithm from scratch that returned an at risk/not at-risk rating.

BAKERY WEBSITE | April 2019 | bit.ly/mahimabakerywebsite

- Used HTML/JavaScript/CSS, jQuery, and Highcharts to create a mobile-friendly website from scratch as part of my 67250 Information Systems Milieux class.