

Harsh Patel

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Skills

Programming Languages: Python, HTML, CSS, JavaScript, C/C++, Intel x86

Exposure to Languages: jQuery, PHP, MIPS Assembly, OCaml, SFML, Haskell, Prolog

Projects

Personal Portfolio Based on HTML

Fall 2020

- Created an interactive website using CSS and JavaScript
- Used Bootstrap, CSS framework to make the website accessible through mobile devices
- Modified JavaScript using jQuery for event handling

Machine Learning Project Based on Python

Fall 2019

- Trained and validated the data using different regression methods
- Calculated the accuracy of each model for better performance
- Analyzed the result to predict the housing price in California

Experience

RailPod, Boston, MA

Software Intern

August 2019 - Present

- Design, develop and deploy new product using Python or C++ for customers
- Develop new tools to reduce workload of the team members
- Work with development team to refine Lidar data

Shadow Operator

May 2019 – August 2019

- Optimized data collection procedures and generated reports daily
- Analyzed rail track data for safer measurements
- Presented findings and data to team to improve strategies and operations
- Used Amazon EC2 terminal to perform tasks quickly and efficiently

Middlesex Community College, Lowell, MA

Peer Math Tutor

September 2017 – August 2018

- Monitored Math Center activity for up to 15 students at time
- Explained in detail concepts in easy-to-understand terms
- Worked with students of various ages at different learning levels

Education

University of Massachusetts, Lowell, MA

B.S. in Computer Science

Anticipated December 2020

UMass Lowell Cricket Team

July 2017 – Present

- Play batsman position
- Qualified for Nationals and traveled to Houston, TX in 2019 (placed Top 8)
- Traveled to NYC in 2018 for Regionals and won the Tournament