

HARSH PATEL

3 Maybury Road, North Billerica MA 01862

harsh_patel4@student.uml.edu • (508)-838-9447 • US Citizen • [Linkedin](#)

Creative and determined software engineer with professional work experience.

SKILLS

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

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

Operating Systems: Linux, Unix, Mac OSX, and Windows

Programming Environments: Visual Studio, Vim, Jupyter, Spyder

Other Relevant Skills: Jira, Linux/Unix Command Line, GitHub, Certified in MS PowerPoint

EDUCATION

University of Massachusetts Lowell

Lowell, MA

Bachelor of Science in Computer Science

Fall 2020

ACADEMIC/BENCH PROJECTS:

- Personal Portfolio, using HTML, CSS, JS, jQuery, Bootstrap Fall 2020
 - Created an interactive website, which can be accessible through different platforms
- Machine Learning Project, using Python Fall 2019
 - Trained and validated the data using different regression methods
 - Calculated the accuracy of each model for better performance and analyzed the result
- Pythagoras Tree: SFML Program Based on C++ Spring 2019

PROFESSIONAL EXPERIENCE

Railpod

Boston, MA

Software Engineering Intern

August 2019 - Present

- Design, develop and implement end user tools to enable clients to analyze and visualize live data collected by autonomous railway inspection vehicles. Technologies: Python, PostgreSQL, Matplotlib
- Participant in product development team as quality assurance member during product development, testing and release
- Quality assurance of client facing data by validating Lidar and Track data
- Collaborate with Product Development and Customer Support teams on bug resolution and fulfilling customer requirements.

Railpod

Boston, MA

Shadow Operator

May 2019 - August 2019

- Optimized data collection procedures and responsible for generating daily reports
- Presented findings and data to team to improve strategies and operations
- Used Amazon AWS EC2 terminal to perform tasks quickly and efficiently

Middlesex Community College

Bedford, MA

Peer Math Tutor

September 2017 – August 2018

- Managed Math Center activity for up to 15 students at time
- Employ knowledge of mathematical concepts to help students learn and understand topic areas and terms
- Worked with students of various ages at different learning levels

ACTIVITY

U Mass Lowell Cricket Team

July 2017 – December 2020

- Played 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