Mihir Patel

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EDUCATION

University of Cincinnati   Expected May 2021
Cincinnati, Ohio
- Pursuing a B.S. in Computer Science
- GPA of 3.7/4.0
- Relevant Coursework: Algorithms, Data Structures, Database Design, Software Engineering

EXPERIENCE

Siemens PLM Software   Jan 2018 – Aug 2019
Software Development Co-op   Milford, Ohio
- Improve data classification accuracy from 60% to 90% using TensorFlow to forge a CNN model
- Elevate usability by utilizing various C++ APIs to automate machine learning training
- Implement a microservice using Node.js to process 1000000+ lines of textual data for training
- Develop AWS Lambda functions to embed JavaScript calls in an Angular.js web framework
- Responsible for collaborating with co-workers in an Agile work environment to deliver solutions
- Increase REST API scalability in a Docker container by creating a Python Flask REST API to handle up to 500 requests

University of Cincinnati   Aug 2017 – Dec 2017
First-Year-Experience Peer Leader   Cincinnati, Ohio
- Educated 20 students in topics across educational genres to accommodate university standards
- Engaged students by providing 2 interactive presentations and activities each week for 15 weeks

SKILLS

- **Programming:** C++, Python, JavaScript, TypeScript, HTML/CSS/Sass, PHP, Node.js, SQL, Java, MATLAB
- **Tools:** Amazon Web Services (AWS), Docker, Git, Elasticsearch, Gulp, jQuery, Adobe Creative Suite
- **Frameworks:** TensorFlow, Bootstrap, Flask, Drupal, PyQt, Angular.js, Mocha, Agile (SCRUM)

PROJECTS

Resume Review Day
github.com/mihi-r/resume-review-day
- A website to help over 6000 students receive resume feedback from industry leaders
- Developed in TypeScript with a PHP and MySQL backend to dynamically generate UI elements
- Uses Gulp and Browserify to minify assets and to compile brower compatible JavaScript

Word Search Mania
github.com/mihi-r/word-search-mania
- A word search GUI created in Python 3 using the PyQt5 framework and object-oriented design
- Utilizes a dictionary file to randomly populate the word search matrix

Engineering Tribunal Website
tribunal.uc.edu
- A website created with Drupal 8 CMS while using HTML/Sass and vanilla JavaScript to theme

COMMUNITY INVOLVEMENT

Engineering Tribunal Technology Director   Aug 2017 – Present
- Present lessons on various web development related topics bi-weekly to around 10 - 15 students
- Create web applications and various digital forms to be used at the university career fair

Engineering College Ambassadors Technology Chair   May 2017 – Present
- Give college tours to interested freshmen and their parents
- Maintain the official website for managing tours and tour hours of the members

Available for an internship in Spring/Summer 2020