

Mihir Patel

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EDUCATION

University of Cincinnati
Cincinnati, Ohio

Expected May 2021

- Pursuing a B.S. in Computer Science
- GPA of 3.7/4.0
- Relevant Coursework: Algorithms, Data Structures, Discrete Structures, Database Design

EXPERIENCE

Siemens PLM Software
Software Engineering Internship

Jan 2018 - Present
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 NodeJS to process 1000000+ lines of textual data for training
- Develop AWS Lambda functions to embed JavaScript calls in an AngularJS web framework
- Responsible for utilizing Python to parse CSVs with up to 10000+ entries to index into Elasticsearch
- Increase REST API scalability in a Docker container by creating a Python Flask REST API to handle up to 500 requests

University of Cincinnati
First-Year-Experience Peer Leader

Aug 2017 - Dec 2017
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, NodeJS, SQL, Java, MATLAB
- Tools: Amazon Web Services, Docker, Git, Elasticsearch, Gulp, JQuery, Adobe Creative Suite
- Frameworks: TensorFlow, Bootstrap, Flask, Drupal, PyQt, AngularJS, Agile (SCRUM)

PROJECTS

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 developed with Drupal 8 while using HTML/Sass and vanilla JavaScript to theme
- Create webpages utilizing PHP and MySQL to facilitate organizational events

Personal Website

mihirstudio.com

- Uses a Gulp file to generate CSS from Sass and minified cross-browser compatible code
- Implements a custom search with JavaScript (ES6) to query a JSON formatted resume

COMMUNITY INVOLVEMENT

Engineering Tribunal Technology Director

- 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

- 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