Dhruvin Patel

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🌐 dhruvinpatel.info

github.com/dhruvin88

Education

M.S. in Engineering Science
University of Mississippi
Emphasis: Computer Science
GPA: 4.0
Completed: May 2019

B.S. in Computer Science
University of Mississippi
Minor: Business, Math
GPA: 3.80
Completed: May 2017

Skills

Languages: C#, Java, C, C++, MySql, Python, Nodejs, Angular

WebDev : Angular, HTML, CSS, JS, JQuery, PHP, Spring Boot, ASP.Net Core, MVC

App Dev : Swift, Ionic

IDEs : Visual Studio, Visual Studio Code, Eclipse, Spyder, VScode, Xcode, Intellj

OS: MacOS, Linux, Windows

Other: MS Office, Git, TFS

Courses

Artificial Intelligence
Java Programming
Models of Computation
Algorithm Analysis
C/C++ Programming
Multimedia Design and Development
Database Systems
Digital Image Processing
Swift App. Development
Operating Systems
Software Design and Development
Natural Language Processing
Cloud Computing
Networking
High Performance Computing

Work Experience and Internships

Jun '19-Curr **Professional, Software Developer, CoreLogic** Oxford, MS
- Develop, test and implement new software programs
- Promote and maintain integration communication between microservices applications
- Refactor existing code base to new design and simpler form
- Clearly and regularly communicate with management and technical support colleagues
- Pursue agile design, development, and testing

Aug'17-May'19 **Graduate Assistant, University of Mississippi** Oxford, MS
- Aid in web/app development and software design courses
- Assisting students with projects and assignments
- Grading quizzes, exams, and projects for correctness

Dec'13-May'17 **IT Helpdesk Student Worker, University of Mississippi** Oxford, MS
- Take calls from current and prospective students that help with Ole Miss's websites
- Troubleshoot any problems with application and operating systems
- Help faculty member with any technology issues they have over the phone and in person
- Resolving any software conflicts over the phone or in-person

Jun'16-Jul'16 **Web Ops Intern, C Spire** Jackson, MS
- Design web applications with Spring Boot
- Optimize SEO results and developing a sitemap generator
- Code java applications to clean up server files

Research and Projects

Jan'19-May'19 **Master's Project: Transfer Learning In CNNs**
- Studied the effects and benefits of Transfer Learning
- Compared training with different medical image dataset
- Found reusing generalize features are better than random initialization

Aug'18-Dec'18 **Text Summarizer GUI**
- Developed a Python GUI to enter an article or URL and return a summary
- Used to find the relevant sentences in a website or article

Aug'18-Dec'18 **Document Clustering**
- Clustering 10,000 research proposal documents into clusters
- Using Word2Vec to vectorize documents
- Using K-Means algorithm to cluster

Jun-Jul'18 **Ole Miss Alexa Skill**
- Creating an Alexa Skill for students to get quick responses
- Hosted in AWS
- Using a NoSql to retrieve responses

Jan'18-May'18 **Conniption AI**
- Team up with class mates to make an AI to play Conniption
- Using an alpha beta pruning to find the best next move

Jan'17-May'17 **Book Sharing App**
- Designed a Mobile application where students can search for textbooks from other student that have previous taken the class
- Used MySql to create a relational database for the courses and post of books a user can have