NEAL PATEL

http://justnealpatel.com

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EDUCATION

Texas A&M University
December 2018
Computer Science (B.S.)
Minor in Cybersecurity, Business

RELEVANT COURSES

PAST YEARS
Design & Analysis of Algorithms
Cloud Computing
Computer & Network Security
Information Storage & Retrieval
Data Structures & Algorithms
Programming Languages
Robotics and Spatial Intelligence

SKILLS

MOST EXPERIENCE
Python, Swift, Objective-C,
iOS Development

EXPOSURE TO
Java, C++, HTML, CSS, JavaScript,
AWS (ECS, RDS, S3)

TOOLS & FRAMEWORKS
AWS (ECS, RDS, S3), Flask, Django,
jQuery, Angular, Spring Boot,
Hibernate, jUnit, React, Haskell,
NumPy, Pandas, MySQL,
PostgreSQL, MongoDB, Git, Xcode

HONORS / AWARDS

Microsoft Imagine Cup Invite
(from HackTX '17)
2018 Grace Hopper Conference Scholar
First Open Source Contribution (Doc.)

CONNECT

LinkedIn: /justnealpatel
Github: /justnealpatel
DevPost: /justnealpatel

INTERESTS

Open Source, Machine Learning,
Computer Security, Information Retrieval

EXPERIENCE

Software Engineer | Infosys
Richardson, TX | May 2019 – Present
o Optimized efficiency of generating data discrepancy reports by 100% between dealers' inventory and Toyota's own inventory by remodeling the data discrepancies within S3 using Node.js
o Helped to analyze and maintain web applications that were in charge of Toyota's core interaction with their dealers

Undergraduate Researcher - Deep Learning | Texas A&M University
College Station, TX | December 2017 – November 2018
o Used sketch recognition as a base for understanding and optimizing core deep learning techniques such as convolutional and deep neural networks
o Advancing methods on how transfer learning can help to prevent common reiterations for training models needed as a base model for the current task

Full Stack iOS Contractor / Developer | FashioNXT
Portland, OR | September 2017 – August 2018
o Developed a portion of the backend using the Parse server to serve relevant relational data and AWS services (S3) to store unstructured data
o Designed the entire frontend for the iOS application using Swift and Cocoa in addition to constructing seamless integration with the backend platform

Software Developer Intern | Swearingen Software
Houston, TX | Summer 2017
o Created and fixed data component fields and relations by re-establishing communication throughout the stack between PostgreSQL database to PHP and JS code by writing efficient retrieval queries in PostgreSQL for various business requirements
o Refactored, modularized and documented the existing codebase for better code reuse and extension

INVOLVEMENT

Texas A&M Computing Society | Member
Texas A&M University, TX | 2015 - Present
o Involved in technical talks and hands-on workshops
o Participated in various hackathons such as HackRice, TAMUhack, HackTX

CodePath | Student Ambassador, Student
Texas A&M University, TX | 2016
o Led and motivated students to be able to successfully architect solutions to complex technical problems that led to exponentially increasing their fundamental problem-solving skills
o Participated in an intensive 12-week bootcamp which covered major topics and techniques to architect and implement polished iOS applications using the Swift programming language

PROJECTS

Project Partner Finder | Web App • Python • Django • jQuery
Built a web app which helps individual programmers to connect with other programmers with similar skill sets to collaborate on projects.

Skills Extractor | Java GUI • JavaFx • REST APIs
Utilizes several public APIs to show users relevant jobs that match their skills that they input and aggregates listings that can be found through multiple job sites all in one area.

Quick Look Up | iOS App • Twilio API • AWS (EC2, RDS) • MySQL • PHP
Utilizes the Twilio API to create an interactive experience to report lost items in a specific environment and allows for the owner of a lost item to use the app as a lost and found system.

Project Partner Finder | Web App • Python • Django • jQuery
Built a web app which helps individual programmers to connect with other programmers with similar skill sets to collaborate on projects (under active development).