NEAL PATEL

http://justnealpatel.com

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EDUCATION

Texas A&M University
December 2018
Computer Science
Minor in Cybersecurity

RELEVANT COURSES

CURRENT YEAR
Artificial Intelligence (AI)

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

TOOLS & FRAMEWORKS
Flask, Django, jQuery, React,
Haskell, NumPy, Pandas, MySQL,
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

Tennis, Food, AI, Hacking, Music

EXPERIENCE

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
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
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

Terminal Edit | C++ CLI • Integrated Text Editor • Qt Creator
Utilizes the C++ standard library as well as built-in features to create an interactive command-line experience that acts as a text editor within the command prompt (porting to Qt under active development).

BMI | C++ CLI • OOP • Qt Creator
Built a command-line interface which allows users to enter in specific details such as their age, height, weight, and specific measurements to see how healthy they are (porting to Qt under active development).

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.

Database Engine | Java CLI • SQL Modeler • Tokenizer
https://github.tamu.edu/sapp-joey/RDMS
Built a program which mimics a SQL-like environment through various abstractions which allows for execution of SQL operations such as CREATE, UPDATE, INSERT, PROJECT, etc.

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).