Aadit Patel

AaditPatel13@gmail.com
215-630-5313

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EDUCATION
Institute: University of Maryland, College Park, MD
Degree: Bachelor of Science
Major/Minor(s): Computer Science/Statistics
Graduation Date: May 2018
Related Coursework: Programming Algorithms, Computer Architecture, Data Structure

TECHNICAL SKILLS
Programming Languages: Java, Ruby, Python, C/C++, SQL, Assembly, Rails, OCAML, HTML, PHP, LISP, JavaScript, CSS
Software: Excel, SAS, R-Studio
Operating Systems: Unix/Linux, Windows

ACADEMIC PROJECT WORK
Wordnet
- o Made a ruby program that takes and groups words into sets of synonyms called synsets and describes semantic relationships between them
- o Create a command parser that that can recognize commands through terminal and allow you to perform operations and get responses from the ruby program.

Prolog maze
- o Made a program in Prolog that allowed me to take complicated mazes and implement functions in prolog that could be used together to find solutions to these mazes.

QuadTree Data Structure
- o Created a QuadTree data structure that is able to store and recover data very quickly in a fast operating time.

Learn 2 Tune
- o An ongoing project of mine that allows people who are trying to become proficient at guitar get a better understanding of how to tune the guitar by ear and get the needed practice to be able to do this on their own.

WORK EXPERIENCE
Campus Intramural Sports, University of Maryland   8/2016 – Present
Referee
- o Instrumental in enforcing fair gaming conducts by monitoring players and providing feedback.
- o Solve disputes and challenges using rational and constructive argument to ensure order maintenance during games
- o Part of the decision-making team that resolves disputes upon foul plays.
- o Routinely contribute to revision of local rules and maintaining policies to keep games fair and honest.

Gulf Gas and Grocery Mart, Horsham, PA   6/2012 – 8/2014
Shift Manager
- o Manage sales and operations of the gas station and grocery mart to ensure business was running efficiently.
- o Develop an inventory model in Microsoft Excel to better track and efficiently use funds for active inventory and move inactive inventory quickly.
- o Work with owner to perform inventory surveys and replenishment by routine and seasonal adjustments.
- o Maintain customer relations to assure their satisfaction and steady patronage.

Kumon Math and Reading Center, Horsham, PA   8/2011 – 10/2014
Instructor
- o Help students of all ages with improving proficiency of math and reading by providing steady tutoring.
- o Guide students of elementary math to calculus to use better techniques so solve math problems so that they can perform more accurately and in expediently.
- o Assist supervising instructor with grading and logging student performance data in proprietary system and Microsoft Excel.

EXTRA CURRICULAR
- o Bitcamp Hackathon
- o Asian Student Association
- o Do Good Challenge