

AADIT A. PATEL

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EDUCATION

University of Maryland
The College of Computer, Mathematical, and Natural Sciences
Bachelor of Science in Computer Science with Minor in Statistics

- GPA: 3.00/4.00

College Park, MD
Sep 2014 – May 2018

PROJECTS

CP Commute

College Park, MD
Apr 2016 – Apr 2016

- Developed the backend of an application that allows users to view public transportation arrival and departure times for various stops in the DC Metro area
- Communicated with online public APIs to obtain information of real-time public transportation data
- Gained and applied expertise with several technologies including Java, MySQL and RESTful services
- Worked with team members to port the application to the Android platform using the Apache Cordova framework

EventFinder

College Park
June 2017 – July 2017

- Created a web application that allows users to create, view and RSVP to events in their vicinity based on specific search queries and locations
- Conducted full stack development using JavaScript, PHP, SQL, Bootstrap, HTML5 and CSS

MilitaryDB

College Park, MD
Sept 2017 – Nov 2017

- Created a customized database using the LISP programming language with features similar to a SQL database that is specialized for people of the military.
- Implemented commands that allowed users to SELECT, UPDATE, and DELETE entries within the database
- Ensured to meet requirements that guaranteed the ability to store thousands of data entries with no negative impact on speed or performance

QuadTree Data Structure

College Park, MD
Sept 2017 – May 2015

- Developed a personalized data structure to efficiently store data in a two-dimensional space with optimal speeds using C++ and C.
- Implemented visual aspect that allows you to see the two-dimensional space and all the inserted data with the coordinates. Done using C.
- Allows most operations like search or delete to run in $O(\log n)$ time.

More project work can be found at my Github: <https://github.com/AaditPatel13>

PROFESSIONAL EXPERIENCE

Gulf Oil

Willow Grove, PA

IT Intern

July 2015 – Aug 2015

- Created an admin dashboard that assisted the management team by allowing them to enter employee hours, schedules and keep track of inventory and funds, which replaced their previous outdated system.
- Developed the application using JavaScript, PHP, SQL, Bootstrap and HTML5
- Managed sales and operations at the location to ensure business was running efficiently by keeping track of all active employees and assisting them as problems arose.

Kumon Math and Reading Center

Abington, PA

Instructor

Aug 2011 – Oct 2014

- Developed the front-end of a web application dashboard for managers to monitor the performance and status of several critical internal document management applications responsible for over 85 TB of data
- Gained and applied expertise with several technologies including Angular, D3, JQuery, RESTful services, HTML5, and CSS
- Collaborated using the Agile software development methodology with daily scrum meetings and implemented pair programming techniques
- Selected to give a presentation of the application in front of 200+ IT managers and employees during an intern showcase

Extra Curricular

Bitcamp Hackathon

College Park, MD

Participant

April 2016 – Present

- Yearly software and hardware competition where groups of people are given 36 hours to create and present any kind of software application or hardware to be judged

Do Good Challenge

College Park, MD

Participant

Feb 2017 – Present

- Charitable event where groups of people host fundraisers, sales and other events in order to raise money for the charity of their choice
- Raised hundreds of dollars for Feed the Children by selling merchandise and food in hotspots around campus

SKILLS AND INTERESTS

- Software:** Proficient in Java, Ruby, Lisp, C++, HTML, PHP, OCAML, SQL, JavaScript, CSS, C, SAS
- Languages:** English, Conversational Gujarati
- Interests:** Philadelphia Eagles, Philadelphia 76ers, Music