AADIT A. PATEL

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EDUCATION

University of Maryland   **College Park, MD**
The College of Computer, Mathematical, and Natural Sciences   *Sep 2014 – May 2018*
Bachelor of Science in Computer Science with Minor in Statistics
- **GPA**: 3.00/4.00

PROJECTS

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

More project work can be found on my Github: *https://github.com/AaditPatel13*

PROFESSIONAL EXPERIENCE

Gulf Oil   **Willow Grove, PA**

IT Intern   *June 2016 – Aug 2016*
- 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allowing them to enter employee hours, schedules and keep track of inventory and funds, which replaced their previous outdated system.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*
- Helped students of all ages with improving proficiency of math and reading by providing steady tutoring.
- Guided students of all skill levels to use better techniques to solve math problems.
- Assisted supervising instructor with grading and logging student performance data in proprietary system and in Microsoft Excel.

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.

Robotics Club   **College Park, MD**

Member   *Sept 2014 – May 2016*
- Worked with members to automate instruments to be apart of the robotics band that was being worked on at the time.
- Helped create and build the hardware and pieces needed in order to automate the drums and the piano.

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