Apoorv Mittal

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EDUCATION

University of Maryland, College Park   *May 2020*

B.S., *Computer Science. GPA: - 3.793,* **Dean's List** in Fall 2016, Spring 2017, Fall 2017

RELATED COURSES

Object Oriented Programming, Theory of Artificial Intelligence, Introduction to Computer Systems, Discrete Structures, First-Year Innovation and Research Experience, Applied Probability and Statistics, Algorithms (Spring 2018) and Organization of Programming languages (Spring 2018)

WORK EXPERICENCE

Student Web Developer   May 2017- *present*

Department of Resident Life, University of Maryland

- Migrating the website from Static to Dynamic (Drupal)
- Managing Department of Resident Life and Counselling center website and made the websites web accessible
- Creating digital marketing materials for the web, social media, and e-mail marketing targeted towards students and parents

Teaching Assistant   Fall 2017

Department of Computer Science, University of Maryland

- Taught and created course materials for Objected Oriented Programming I class.

Undergraduate Research Assistant   Jul 2017-*September 2017*

Department of Criminology and Criminal Justice, University of Maryland

- Worked under Professor Dr. David Maimon In NSF funded project on studying the behavioral model Wi-Fi network access
- Sniffed network traffic from location's Wi-Fi and analyze the data packets captured
- Helped create models by Data mining to discourage users from using less secure networks

Undergraduate Research Assistant   May 2017-September 2017

Maryland Information and Network Dynamics (MIND) Lab

- Worked under Professor Dr. Ashok Agarawala and PhD candidates and assisted them in Lab's daily operations
- Created an Android app to help determine the exact location of a person including the room and the floor of the building.

TECHNICAL SKILLS

Programming (Proficient)	Java, JavaScript, C, MIPS Assembly, Ruby, Ocaml
Programming (Familiar)	Python, PHP, mySQL
Libraries/Platforms	Unix, D3.js, jQuery, Bootstrap, Socket.io
Markup/Templating	HTML5, CSS3

PROJECTS   (more at https://apoorv-mittal.github.io/#proj)

Meteor Landings

JavaScript, D3.js

- Used NASA API to get recorded meteor landings in JSON
- Used D3's queue library to read two JSON files simultaneously
- Used D3 to visualize the received data on a world map

Messaging App

JavaScript, Socket.io

- An online messaging app which messages updates in real time.
- Used Node.js to write the server side of the program
- Used socket.io as it provided lightweight bidirectional real-time communication

Math Question Generator

JavaScript, jQuery

- A simple math problem generator for anyone learning math and wants to speed up their basic math calculations
- Stores the score in the browser cache so that the child is engaged

Tic-Tac-Toe

HTML, CSS, JavaScript

- A game of tic-tac-toe which can be played against another human or a computer.

ACTIVITIES

Open Source Projects   *Fall 2017*

    Improved Documentation for Facebook's react

Terps In Space   *Fall* 2017

    Participating in a program to make an experiment which could be taken to the International Space Station