

RAVI KOTHARI

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▶ Education

University of Maryland-
College Park
B.S. Computer Science 2019
Upper Level Concentration:
Biological Sciences

▶ Skills

PROGRAMMING LANGUAGES

Java
C
Python
Ruby
Swift
OCaml
SQL
HTML/CSS
JavaScript
Matlab
y86 Assembly

OPERATING SYSTEMS

UNIX/LINUX
OS X
Microsoft Windows

SOFTWARE

Tableau
Salesforce
Toad for Oracle

▶ Work Experience

Pfizer Inc.
Technical Analyst

New York, New York
May 2017 to Aug 2017

- Reduced outages by 15% and enhanced service center monitoring by developing new Tableau dashboards using Tableau, SQL, and ticket submission data
- Improved application managers' efficiency by 20% for analysis of ticket data by performing data analysis using SQL and Toad for Oracle
- Evaluated and provided pros/cons of various technologies, such as SQL and Tableau, based on business needs and target audience
- Produced technical documentation from a Global Pricing Solutions application using Salesforce and Microsoft Excel

▶ Technical Projects

Alien Invasion

Sep 2017 to Current

- Developing a game using Python and the PyGame library
- Using various PyGame library functions, users are able to control a ship, shoot at enemies and destroy enemy invaders
- **Technologies used: Python, PyGame, PyCharm**

Dice Roller iOS Application

Jun 2017 to Jun 2017

- Used Swift language to program a randomized dice roller application from scratch
- Designed game UI using XCode software
- **Technologies used: Swift, XCode**

War Card Game iOS Application

May 2017 to Jun 2017

- Used Swift language to program the War card game from scratch
- Designed game UI using XCode software
- **Technologies used: Swift, XCode**

Personal Website

Dec 2016 to Current

- Developed personal website using HTML and CSS
- **Technologies used: HTML, CSS, Sublime Text**

Other Projects

Jan 2016 to Current

- WordNet- Ruby
 - Implemented the backend of a WordNet parser using a graph structure
 - Used regular expressions to parse through documents and gather the necessary information for the user to input commands such as loading files, adding a Synset/Hypernym, etc.
 - Technologies used: Ruby, Atom, Git**
- Graphs and Mazes- Java
 - Implemented a maze application using graph/map data structures
 - Solved the maze using three different graph traversals
 - Technologies used: Java, Eclipse**
- Shell Program- C
 - Created a shell program from scratch on LINUX OS
 - Shell program supported piping, I/O redirection, '&&' operator, etc.
 - Technologies used: C, Emacs, gdb**

▶ Volunteering

Princeton First Aid/Branchville Volunteer Fire Company
Emergency Medical Technician

Princeton, NJ/College Park, MD
May 2015 to Current

- Provide patient care in an emergency setting as senior member of the crew in charge of scene
- Ability to work independently or within a team setting
- Train and mentor new members on EMT-B skills necessary for life-saving interventions

▶ Achievements

Maryland State EMT-B Certification

Aug 2016

American Heart Association CPR/AED Certification

May 2016

New Jersey State EMT-B Certification

Aug 2014

John G. Glowacki

Aug 2014

Valedictorian of EMT class