

# Kirtan Sakariya

<http://kirtansakariya.github.io>  
kirtansakariya@gmail.com | 412-915-5301

## EDUCATION

### UNIVERSITY OF PITTSBURGH

#### B.S. IN COMPUTER SCIENCE

Dean's List (Fall 16 / Spring 17 /  
Fall 17 / Spring 18 / Fall 18 / Spring 19)  
Expected Apr 2020 | Pittsburgh, PA  
GPA: 3.87

## LINKS

Github: [kirtansakariya](https://github.com/kirtansakariya)  
Website: [kirtansakariya.github.io](http://kirtansakariya.github.io)  
LinkedIn: [/in/kirtansakariya](https://www.linkedin.com/in/kirtansakariya)

## COURSEWORK

### UNDERGRADUATE

#### Completed

- Algorithm Implementation
- Formal Methods in Computer Science
- Computer Organization and Assembly Language
- Introduction to Operating Systems
- Programming Languages for Web Applications
- Blockchain Technology and Cryptocurrency
- Introduction to Theoretical Mathematics
- Linear Algebra

#### In Progress

- Introduction to Computer Vision
- Database Management Systems

## SKILLS

### PROGRAMMING LANGUAGES

#### Intermediate

Java • HTML • CSS • JavaScript

#### Basic

C • Python • MIPS • Unity (C#)

### TECHNOLOGIES

Git • NodeJS • SpringBoot • Angular 7  
AWS(Lambda, APIGateway) • MS Office  
Neo4j • PTF

## COMMUNITY

### VOLUNTEERING

South Fayette Township Library  
Fairview Park Cleanup  
Food Drive at Local Church

## EXTRACURRICULAR

CS Club • Mathematics Club

## EXPERIENCE

### VANGUARD (CONTRACTED VIA RANDSTAD) | C2C IT INTERN

May 2019 - August 2019 | Malvern, PA

- Learned and applied the LEAN methodology
- Automated 13 General Ledger, 7 Accounts Payable, and 6 Asset Management tests and stabilized 7 other tests for PeopleSoft using the PeopleSoft Test Framework
- Wrote the endpoints for a graph-based Database called Neo4j

### CIGNA | TECDP INTERN

May 2018 - August 2018 | Philadelphia, PA

- Wrote a RESTful API using SpringBoot in order to reduce the number of open connections to a database
- Utilized Twilio and AWS to make the backend for an application meant to help trauma victims recover
- Made an introductory WeatherApp using SpringBoot and Angular 5

### UNIVERSITY OF PITTSBURGH (TOPIC EXPLORER) | STUDENT PROGRAMMER

September 2017 - Current | Pittsburgh, PA

- Tasked to go through JavaScript, HTML/CSS, and a bit of Python to debug issues in order to make the applications more user friendly
- Altered the appearance of the front end to make it more comprehensible to the user by implementing CSS Grids to resolve an issue of invisible tooltips
- Fixed malfunctioning buttons like the help button, PDF button, etc.

### UNIVERSITY OF PITTSBURGH (STARK MEDIA SERVICES) | STUDENT WORKER

January 2017 - April 2019 | Pittsburgh, PA

- Found and checked out DVDs and VHSs to patrons
- Assisted patrons in operating the DVD/VHS players
- Organized equipment and recorded any missing items

## PROJECTS

### DISCORD BOT May 2018 - Current

- Primarily a music bot made using NodeJS that streams music from YouTube and Soundcloud
- Hosted on Heroku that allows the bot to be run remotely
- Frontend to allow users to create custom playlists

### ROLL-A-BALL 4 SLEEP October 2017

- A game that is aimed at increasing sleep awareness where the player is required to collect objects to clear the level
- Objects respawn if the player does not collect them in time and the respawn is more frequent as the player approaches a user-specified bedtime
- At the end of every level, the player is presented a question about sleep that they have to get correct in order to proceed to the next level

### PERSONAL WEBSITE May 2017 - Current

- Showcases my hobbies, goals, etc. through a web page about myself
- Contains various links to my GitHub, Facebook, and LinkedIn
- Implemented a theme change in order to allow for different colorization options