

# Clifford Bakalian

560 Keswick Dr, Yardley, PA 19067

🌐 bakalian.ddns.net

✉ cliffbakalian@gmail.com

🔗 cliffbakalian

☎ 215-431-3123

## EDUCATION

---

### University of Maryland

*BS in Computer Science*

*Minor in Philosophy*

**College Park, MD**

*Expected Graduation: May 2020*

*GPA: 3.85/4.0*

## EXPERIENCE

---

### Teaching Assistant

*University of Maryland*

**College Park, MD**

*January 2018 - present*

- Lead discussions for Discrete Structures for Spring 2018 and Object Oriented Programming II for Summer 2018
- Learned and became familiar with Vim and L<sup>A</sup>T<sub>E</sub>X

### Data Manager

*OMB Warehouse*

**Levittown, PA**

*June - August 2017, December 2017 - January 2018*

- Used TensorFlow and neural networks in python to develop autonomous programs and data processing modules

### Information Technician Assistant

*University of Maryland's iSchool*

**College Park, MD**

*Aug 2016 - Present*

- With Angular/React Framework, reviewed code for a Virtual Computer Lab using AWS

### Backend Developer

*Augmented Reality Club*

**College Park, MD**

*Aug 2017 - December 2017*

- Developed backend MySQL server for the University of Maryland's Augmented Reality Club website
- Worked and gained experience with the Django framework, python, git, MySQL and team coding projects

## PROJECTS

---

### Corners - Android App

*December 2017 - Present*

- Created original game and implemented it in Android Studio
- Gained experience with AI creation for games, mobile app development and UI Design

### Virtual Assistant

*June 2017 - Present*

- Created a virtual assistant capable of weather and scheduling organization in python
- Uses sphinxbase and Google Speech API and uses Python's natural language processing toolkit

### Web/Git Server

*November 2017*

- Setup a Raspberry Pi as a LAMP server for web hosting and git repositories
- Gained web development skills and basic system administration experience

### Robotic Pet - Bitcamp Hackathon

*March 2017*

- Created a hardware hack of a robotic pet with 3 others on a team
- In charge of coding and gained more experience with Arduino hardware/software design

### Illness Risk - Dataleague Hackathon

*December 2016*

- Worked with 2 others to make a web application to predict the probability of an airborne disease spreading
- Came 2nd at hackathon and gained experience with data analysis and API implementation

### Endless Runner -Desktop/Android App

*September - December 2016*

- Created an endless runner game using java for desktop applications, later ported to android
- Gained experience with software engineering, mobile app development and UI design

## ADDITIONAL

---

- Relevant Coursework: Intro to Data Structures, Algorithms, Computer Systems, Programming Languages
- Programming Languages: Java, C, Python, PHP, HTML/CSS, Ruby, Ocaml, Assembly, Visual Basic
- Familiar Software: Arch Linux, MacOS, Windows, Android Studio
- Limited Experience with Kali linux, Penetration Testing, Arduino hardware design