Clifford Bakalian

560 Keswick Dr, Yardley, PA 19067

 bakalian.ddns.net   ✉ cliffbakalian@gmail.com   cliffbakalian   ☐ 215-431-3123

EDUCATION

University of Maryland   **College Park, MD**
BS in Computer Science   *Expected Graduation: May 2020*
Minor in Philosophy   *GPA: 3.85/4.0*

EXPERIENCE

Teaching Assistant   **College Park, MD**
University of Maryland   *January 2018 - present*
- Lead discussions for Discrete Structures for Spring and Fall Semester and Object Oriented Programming II for Summer 2018
- Taught Javascript for Girls Who Code, a camp for middle and high school girls to get into coding
- Learned and became familiar with Vim and LaTeX

Data Manager   **Levittown, PA**
OMB Warehouse   *June - August 2017, December 2017 - January 2018*
- Used TensorFlow and neural networks in python to develop autonomous programs and data processing modules
- Gained experience with pandas, numpy, and scikit-learn to coalesce data into a uniform spreadsheet

Information Technician Assistant   **College Park, MD**
University of Maryland's iSchool   *Aug 2016 - Present*
- With Angular/React Framework, reviewed code for a Virtual Computer Lab using AWS

Backend Developer   **College Park, MD**
Augmented Reality Club   *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 probaility of a airbone disease spreading
- Came 2nd at hackathon and gained experience with data analysis and API implementation

Endless Runner -Dektop/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, Data Structures, Intro to AI
- Programming Languages: Java, C, Python, PHP, HTML/CSS, Ruby, Ocaml, Assembly, Visual Basic
- Familliar Software: Arch Linux, MacOS, Windows, Android Studio
- Limited Experience wth Kali linux, Penetration Testing, Arduino hardware design