

Clifford Bakalian

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EDUCATION

University of Maryland

BS in Computer Science

Minor in Philosophy

College Park, MD

Expected Graduation: May 2020

GPA: 3.87/4.0

EXPERIENCE

Teaching Assistant

University of Maryland

College Park, MD

January 2018 - present

- Lead discussions for Discrete Structures, Object Oriented Programming II, and Organization of Programming Languages
- 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 and gained leadership skills

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
- Gained experience with pandas, numpy, and scikit-learn to coalesce data into a uniform spreadsheet

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 -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
- Experienced Languages: Java, C, Python, Ocaml
- Familiar Languages: Ruby, Assembly, Visual Basic, Lisp, PHP, HTML/CSS
- Familliar Software: Arch Linux, MacOS, Windows, Android Studio
- Limited Experience wth Kali linux, Penetration Testing, Arduino hardware design