Clifford Bakalian

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EDUCATION

University of Maryland   **College Park, MD**
BS in Computer Science and Philosophy   *May 2020*
GPA: 3.845/4.0

EXPERIENCE

Research Assistant   **College Park, MD**
University of Maryland   *November 2018 - present*
- Working under Dr. Don Perlis in a team environment on active logic approaches to metareasoning in artificial intelligence
- Working under Dr. Hanan Samet, working with iOS development and spacial data analysis
- Contributed to *Live and Learn, Ask and Tell: Agents Over Tasks* paper which was accepted for the IWSDS 2019

Teaching Assistant   **College Park, MD**
University of Maryland   *January 2018 - present*
- Lead discussions for Discrete Structures, Object Oriented Programming II, and Programming Languages
- Taught Javascript for Girls Who Code, a camp for middle and high school girls to get into coding

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

PROJECTS

Web/Git/Mail Server   *November 2017*
- Setup a Raspberry Pi as a LAMP server for web hosting and git repositories
- Setup Mail server for receiving emails
- Gained web development skills and basic system administration experience

Virtual Assistant   *June 2017 - August 2017*
- 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

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

ADDITIONAL

- Relevant Coursework: Algorithms, Computer Systems Architecture, Programming Languages, Data Structures, Artificial Intelligence, Network Security
- Experienced Languages: Java, C, Python, Ocaml
- Familiar Languages: Ruby, Assembly, Visual Basic, Lisp, PHP, HTML/CSS, Objective C
- Familiar Software: Linux, MacOS, Windows, Android Studio, TensorFlow, Google Cloud API, Xcode, LaTeX
- Limited Experience with Kali Linux, Penetration Testing, Arduino hardware design