

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: 3.869/4.0

EXPERIENCE

Research Assistant

University of Maryland

College Park, MD

November 2018 - present

- Working under Professor Don Perlis in a team environment on active logic approaches to metareasoning in artificial intelligence
- Contributed to *Live and Learn, Ask and Tell: Agents Over Tasks* paper which was accepted for the IWSDS 2019

Teaching Assistant

University of Maryland

College Park, MD

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
- 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 database

PROJECTS

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

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
- Familiar Software: Linux, MacOS, Windows, Android Studio, TensorFlow, Google Cloud API
- Limited Experience with Kali Linux, Penetration Testing, Arduino hardware design