

CLIFFORD BAKALIAN

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EDUCATION

University of Maryland, College Park

Master of Science in Computer Science

Expected May 2021

GPA: 4.000

University of Maryland, College Park

Bachelor of Science in Computer Science

Bachelor of Arts in Philosophy

May 2020

Phi Beta Kappa National Honors Society

GPA: 3.858

WORK EXPERIENCE

University of Maryland

STIC Facilitator

August 2020- Present

- Co-Designed and co-taught a 1-credit course focusing on various programming paradigms

University of Maryland

Teaching Assistant - Discrete Structures, Programming Paradigms, Object Oriented Programming II

January 2018 - Present

- Lead 50-80 minute discussion sessions on proofs, logic, data structures, Java, Ruby, OCaml, Rust
- Lead a team of 4 on creation of projects, discussion exercises, and exams
- Volunteered to teach JavaScript for Girls Who Code

OMB Warehouse

Data Manager/Analyst

June -August 2017, December 2017-January 2018

- Designed a neural network in Python to develop autonomous programs and data processing modules
- Automated the aggregation of data for incoming wares

RESEARCH EXPERIENCE

University of Maryland - Hanan Samet

Undergrad Research Assistant

May 2019 - Present

- Developed the iOS application of the NewsStand System

University of Maryland - Don Perlis

Undergraduate Research Assistant

November 2018 - December 2019

- Worked on logical reasoning and analysis of self based reasoning in robots

COURSE WORK

Compiler Construction

- Helped design modules and analyze effectiveness for the Binary Analysis Platform

Network Security

- Analyzed the effectiveness of the mobile web certificate authentication process in Android phones

Decision Making for Robots

- Built autonomous robots capable of mapping out an area

Wireless and Mobile Systems

- Designed an acoustic indoor localization protocol