CLIFFORD BAKALIAN

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EDUCATION

University of Maryland, College Park *Expected May 2021*
Master of Science in Computer Science GPA: 4.000

University of Maryland, College Park *May 2020*
Bachelor of Science in Computer Science Phi Beta Kappa National Honors Society
Bachelor of Arts in Philosophy GPA: 3.858

WORK EXPERIENCE

University of Maryland August 2020- Present
STIC Facilitator

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

University of Maryland January 2018 - Present
Teaching Assistant - Discrete Structures, Programming Paradigms, Object Oriented Programming II

· 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 June -August 2017, December 2017-January 2018
Data Manager/Analyst

· 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 May 2019 - May 2020
Undergrad Research Assistant

· Developed the iOS application of the NewsStand System

University of Maryland - Don Perlis November 2018 - December 2019
Undergraduate Research Assistant

· 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