

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 Honor Society

Bachelor of Arts in Philosophy

GPA: 3.858

WORK EXPERIENCE

University of Maryland

May 2020 - Present

Head Graduate Teaching Assistant - Object Oriented Programming II

- Lead a team of 4 on creation of projects, discussion exercises, and exams
- Lead 80 minute discussions sessions of 30 people on introductory data structures in Java

University of Maryland

January 2018 - May 2020

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
- Volunteered to teach JavaScript for Girls Who Code

OMB Warehouse

June -August 2017, December 2017-January 2018

Data Manager/Analyst

- Designed 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 - Present

Undergrad Research Assistant

- Worked under Dr. Hanan Samet working on iOS development of the NewStand System

University of Maryland - Don Perlis

November 2018 - December 2019

Undergraduate Research Assistant

- Worked on self reasoning in robots
- Contributed to *Live and Learn, Ask and Tell: Agents Over Tasks* paper which was accepted for the IWSDS 2019

COURSE WORK

Compiler Construction

- Gave presentation of how a reverse compilation works based on Cifuentes's work
- Helped design modules and analyze effectiveness for the Binary Analysis Platform

Graduate Network Security

- Gave live demonstration of stack based attacks and prevention
- Analyzed the effectiveness of the mobile web certificate process