

CLIFFORD BAKALIAN

560 Keswick Dr ◇ Yardley, PA 19067

215 431 3123 ◇ cliffbakalian@gmail.com ◇ github.com/cliffbakalian

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

Head Graduate Teaching Assistant - Object Oriented Programming II

May 2020 - Present

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

University of Maryland

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

January 2018 - May 2020

- 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

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

- Worked under Dr. Hanan Samet developing 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
- 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 Cristina Cifuentes' work
- Helped design modules and analyze effectiveness for the Binary Analysis Platform

Graduate Network Security

- Gave live demonstration of stack based attacks and prevention techniques
- Analyzed the effectiveness of the mobile web certificate authentication process in Android phones