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
· Produced projects in Prolog, Forth, Intercal, Rust, and a compiler in Flex/Bison and Racket

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

OMB Warehouse   June -August 2017, December 2017-January 2018
Data Manager/Analyst
· Designed a TensorFlow neural network in Python to develop autonomous programs and data processing modules

RESEARCH EXPERIENCE

University of Maryland   November 2018 - May 2020
Undergrad Research Assistant
· Developed the iOS mobile application in Objective-C and C for the NewsStand System
· Worked on logical reasoning and analysis of self based reasoning in robots

PROJECTS

Android App Development
· Developed Android mobile games and camera application in Kotlin and Java and C

Web and Development Server
· Host and maintain Linux git servers, discord-bots, websites on raspberry-pi
· Developed APIs and Web apps in HTML, Django and Ruby on Rails

Robotic and IoT Devices
· Built and designed small Arduino robots and IoT devices and data servers in C and Go

Client Side Encryption Application
· Produced C code to handle encryption and SSH/FTP transferring of sensitive data