

# Michael Li

8614 Sunbeam Pl., Laurel, MD, 20723 ♦ 240-319-1480 ♦ mli25782@terpmail.umd.edu ♦ [www.linkedin.com/in/michaelli00](http://www.linkedin.com/in/michaelli00) ♦ [mli25782.github.io](https://github.com/mli25782)

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## EDUCATION

**University of Maryland, College Park**  
*B.S. Computer Science*

**GPA: 3.96/4.00**  
*Expected Graduation: May 2021*

## TECHNICAL SKILLS

- **Proficient:** Java, Android Studio, C
- **Familiar:** XML, HTML, CSS, JavaScript, React, Unix, Ruby, OCaml

## WORK EXPERIENCE

### University of Maryland

*Teaching Assistant for CMSC216: Intro to Computer Systems*

**College Park, MD**

*January 2020-Present*

- Hold weekly office hours, assisting students from a class of over 600 students with concepts such as pointers, memory allocation, and process control in C.

### CATT Laboratory

*Student Developer Intern*

**College Park, MD**

*September 2019 – Present*

- Developing a **React** web-app for Detector Tools that displays a table with recent export requests from the database for developer admins to sort and filter from, and download results, stop requests, and get JSON arguments for each request.
- Working on bug tickets for the Probe Data Analytics Suite, a collection of web-based tools created using **React-Redux** and **Django** frameworks that allow customers and transportation agencies to download, visualize, and compare traffic data.

### Howard Community College

*User & Network Services Intern*

**Columbia, MD**

*July 2019 - August 2019*

- Reimaged 250 new faculty computers using a Preboot Execution Environment to boot into Windows Deployment Services, deploying a snapshot of a hard disk to multiple computers. Replaced 25% of faculty computers on campus while maintaining user data on a network share.
- Managed hardware and software needs across Howard Community College campus, remoting into client computers to download and update software, setting up network printers, and monitoring BIOS updates.

### Paradyne Management

*Technical Intern*

**Greenbelt, MD**

*September 2018 - December 2018*

- Pushed the *Greenbelt Go Android* app onto the Google Play Store. The app has information about local attractions, public transit, and emergency contacts in Greenbelt and was developed by a team of 10 interns.
- Focused on button functionality and app aesthetics using **Java** and **XML**, and **Git** for version control.

## PROJECTS

### Stray Animal Map (*Winner: Runner Up Best Esri API Hack - Bitcamp Spring 2019*)

- Crowdsourcing **Android** app that allows users to report and to view nearby stray animal sightings on a map. Information collected from the report (user current location, images, and descriptions of the animal) is sent to **Esri** Cloud Services, after which the map is updated with the new stray animal sighting.
- Worked on the app UI, using **Java** and **XML** to incorporate **Esri** map services and to add button and camera functionality onto the app.

### PrintN'Pass (*Winner: Top Ten Hacks, Best Use of Google API - HopHacks Spring 2019*)

- Password manager that uses an **Android** app to create an encrypted master password through fingerprint identification and a webserver to generate a unique password by hashing (SHA-256) the decrypted master password with the website domain. The app and chrome extension autofill the login credentials on the website.
- Created the fingerprint activity and other UI features for the app using **Java** and **XML**.

## ACTIVITIES

### UMD Club Table Tennis President

*February 2019 - Present*

- Outlined budget plan for 2019-2020 school year, allocating funds for new uniforms and equipment, travel fees for the upcoming collegiate season, and rental costs necessary to run a local tournament.
- Handle communication with facility management, club sports advisors, sponsorships, and other club officers to ensure that the club meets all necessary administrative requirements while publicizing itself.

### College Park Scholars STS Peer Mentor Captain

*April 2019 - Present*

- Plan Science, Technology, and Society Scholars community activities for over 80 incoming first-year STS students, helping them settle into their college life and directing them to resources available on campus.
- Serve as a main point of contact between Scholars coordinators and STS peer mentors, ensuring that all STS mentors fulfill their responsibilities and meet deadlines.