Michael Li

8614 Sunbeam Pl., Laurel, MD, 20723 ♦ 240-319-1480 ♦ mli25782@terpmail.umd.edu ♦ www.linkedin.com/in/michaelli00 ♦ mli25782.github.io

EDUCATION

University of Maryland, College Park   **GPA: 3.96/4.00**
B.S. Computer Science   *Expected Graduation: May 2022*

TECHNICAL SKILLS

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

WORK EXPERIENCE

University of Maryland   **College Park, MD**
Teaching Assistant for CMSC216: Intro to Computer Systems   *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   **College Park, MD**
Student Developer Intern   *September 2019 – Present*
- Developing a **React** web-app for Detector Tools that renders 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   **Columbia, MD**
User & Network Services Intern   *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.

Paradyme Management   **Greenbelt, MD**
Technical Intern   *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.