

# Michael Li

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## EDUCATION

### University of Maryland, College Park

B.S. Computer Science

GPA: 3.96/4.00

Expected Graduation: May 2022

## TECHNICAL SKILLS

- **Proficient:** Java, C, React
- **Familiar:** Android Development, XML, HTML, CSS, JavaScript, 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

- Developed 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.

### 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

### Yelp with Google Maps

- Web app that plots the nearest 50 restaurants from current location on a map with clickable markers that show an info window with relevant information, including a link to the Yelp Review page.
- Also includes a search bar on the left that dynamically filters the markers displaying on the map and shows a list of the filtered restaurants with their rating stars based on Yelp Reviews. App was developed using **React**, Yelp Fusion API, and Google Maps API

### 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.