

# Kyle Saggar

6 Chinkapin Court  
Rockville, MD 20850

(301) 466-4672  
ksaggar@terpmail.umd.edu

## EDUCATION

**University of Maryland, College Park (GPA: 3.51)**

Expected May 2019

*B.S. Computer Science*

## SKILLS

- OCaml, Python, Ruby, Java, C++, C, Assembly
- HTML, CSS, JavaScript, PHP
- MySQL, SQL, Spring MVC
- UNIX/LINUX OS
- Git, SVN, JIRA, Junit

## RELEVANT EXPERIENCE

**Safe Cycling Project**

Fall 2016 – Present

*Research Assistant*

- Ongoing research project commissioned by the Department of Transportation and National Science Foundation
- Aims to understand why shared biking systems have failed to generate the expected use by using data analytics and machine learning to analyze biker safety on a street-by-street case for major cities throughout the United States
- Currently creating rating platform to allow cyclists to rate cycling safety based on a series of videos; responses are then saved and mapped to corresponding street segments in order for us to establish a computational baseline, upon which street safety will be rated

**Intelligent Automation, Inc.**

Summer 2016

*Software Engineering Intern*

- Lead programmer on a responsive science lab regarding water evaporation. The website features animations, graphs, multiple choice questions, and many more features, and will be administered to eighth grade students to assess the nations standards in science.
- Responsible for coordinating with other team members to ensure project specifications were met and was also responsible for modifying project in accordance with client requests

**iNovex Information Systems**

Summer 2014 – 2015

*Software Engineering Intern*

- Used HTML, CSS, and JavaScript and Twitter's Bootstrap framework to create various websites for current company projects
- Linked website to a corresponding database using Spring MVC and MySQL to allow the storage of user input and maintain the desired data
- Implemented various robots using the Kapow software to scrape websites and then convert, and store, the data into RDF format
- Using Agile Scrum methodology, created web scrapers in Java through threading to extract data regarding Surface-to-Air Missiles and Radars in the United States, then transformed the data into RDF format

## VOLUNTEER EXPERIENCE

**Performance Sports Camp**

Summer 2012 – 2013

*Camp Counselor*

- Responsible for coordinating with other coaches to develop drills and maintain proper safety standards of the camp, while also promoting teamwork and sportsmanship among campers

## HONORS & ACTIVITIES

- Chapter Expectations Chair of Beta Theta Pi Fraternity 2016 – Present
- Member of Fundraising and Corporate Relations Committee for Terp Thon 2015 – Present
- Terrapin Hackers 2015 – Present