# Peter Chun

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## EDUCATION

**University of Maryland, College Park** | Bachelor of Science in Computer Science Expected May 2022

- Science Technology and Society Scholars Program
- Relevant Courses: Object-Oriented Programming 1 & 2, Intro to Computer Systems, Discrete Structures

## EXPERIENCES

**Undergraduate Research Assistant** June 2019 - Aug 2019

The Fischell Department of Bioengineering | College Park, MD

- Worked under the guidance of Dr. Bruk Berhane to investigate qualitative data to identify key factors that shape the transfer process of ethnically and culturally diverse Black students
- Developed a full-stack web application with Python & Flask to be used in the data analysis process that organizes and displays comments from a Google Docs file based on a fuzzy string matcher

## PROGRAMMING PROJECTS

**TerpV'U - Hackathon Project - Awarded Top 10 Finalist** (out of 44 submissions) Sept 2019

HopHacks 2019 | Baltimore City, MD

- Lead a group of 4, to create a web application and hardware tool to analyze cell phone usage in public environments (lecture halls, auditoriums, etc.)
- Modified a web camera to only pass through infrared light to decrease background noise
- Programmed and implemented the OpenCV script with the Flask framework and designed the front-end with Bootstrap

**MotivateMe - Hackathon Project** April 2019

BitCamp 2019 | College Park, MD

- In a group of 4, brainstormed a solution to combat mental health issues by creating a web platform for individuals to share positive posts and lessons
- Using Ruby on Rails, programmed the backend user authentication, follower/following relationships, and content management, as well as designed various pages using Bootstrap

**Testudo Course Bot** Nov 2018 - Jan 2019

Personal Project

- Programmed a Python3 bot that notifies the user through GroupMe when there are changes to the number of seats for a course or when new sections are added
- Utilized Python3, bs4, and Selenium to write the backend functionalities of the program

## EXTRACURRICULAR ACTIVITIES

**Electric Bike Competition** May 2019 - Nov 2019

A. James Clark School of Engineering | College Park, MD

- Collaborating in a group of 6 to research, brainstorm, and prototype an electric bicycle that will have a range of 125 miles
- Programming and implementing various sensors such as a reed switch onto an Arduino to measure and calculate the speed and distance traveled for the bike

## SKILLS

Java, Python, C, Ruby on Rails, Flask, Git, Matlab, Bootstrap, Google Cloud Computing, GatsbyJS, OpenCV