# Advait Ishwar

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## EDUCATION

**UNIVERSITY OF MARYLAND COLLEGE PARK**
Bachelor of Science
Major: Computer Engineering
Minor: Statistics
Expected: May 2022
A. James Clark School of Engineering
Cum. GPA: 3.63 / 4.0

## LINKS

github.com/advaitIshwar/

## COURSEWORK

Algorithms
Operating Systems
Organization of Programming Languages
Signal System and Theory
Object Oriented Programming
Intro to Computer Systems
Discrete Mathematics and Structures
Linear Algebra

## AWARDS

OSME Academy of Academic Excellence
ALDPES Honors Society

## SKILLS

**PROGRAMMING LANGUAGES**
Proficient:
Java • Python • Ruby •
OCaml • Matlab • C

**TECHNOLOGIES**
Git • Linux/Unix • Docker • Arduino

## TECHNICAL EXPERIENCE

**ALIGNABLE** | SWE Intern (Offer Rescinded due to COVID19)

**INTELLIGENT AUTOMATION INC** | Software Engineer+ML Intern
Jan 2019 – Aug 2019 | Rockville, MD

- Wrote automated annotation scripts in Python increasing efficiency for human annotators by 25%
- Wrote scripts in Python that provided insights on our dataset (e.g. Dominant color distribution and object size distribution)
- Trained convolutional neural network model (YOLOv3) to detect objects of interest in images and videos – model is currently being used in company's flagship video analytics software: PIXL

**A1 LOGIC** | Software Engineering Intern
June 2017 – Aug 2017 | Bethesda, MD

- Created Setup.exe files in Microsoft Visual Studio
- Wrote documentation for Enterprise Software functionality and usage

## SELECTED PROJECTS

**CONTEXT AWARE IMAGE RESIZER**

- Developed and visualized Seam Carving algorithm in Python

**FLOOD IT** | Java Game

- Used Gridworld API, and BFS algorithm to implement Flood It in Java

**FOX SPORTS UNIVERSITY MARKETING CHALLENGE**
Feb 2019 – May 2019 | College Park, MD

- Conducted market research on how millennials consume sports content
- Lead team of 7 to develop a marketing plan to increase traffic on Fox's streaming platform CaffeineTV

**UMD OVER SAND VEHICLE PROJECT: LEAD PROGRAMMER**
Aug 2018 – Dec 2018 | College Park, MD

- Lead team of 8 to design, build and program an autonomous over-sand vehicle that navigated to a desired location and performed a mission:
  - Correctly measure depth of water sample transmit its salinity
  - Collect a sample of 30-45 ml of water from the pool

## OTHER

**FANNIE MAE SOFTWARE ENGINEERING EXTERNSHIP**

- Participated in Fannie Mae Hackathon Challenge:
  - Created optimal mortgage pools given certain restraints
- Attended seminars on Machine Learning, Information Security and Agile framework
- Attended stand-up sessions with full time Software Engineers