Advait Ishwar

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EDUCATION

UNIVERSITY OF MARYLAND COLLEGE PARK

Bachelor of Science
Major: Computer Engineering
Minor: Statistics
Academy of Machine Learning Distinction
A. James Clark School of Engineering
Expected: May 2022
Cum. GPA: 3.65 / 4.0

LINKS

github.com/advaitIshwar/
linkedin.com/in/advaitkishwar/

COURSEWORK

Algorithms
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

Java • Python • Ruby •
OCaml • Matlab • C •
JavaScript

TECHNOLOGIES

Git • Linux/Unix • Docker •
Arduino • React

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ALIGNABLE | SWE Intern (Offer Rescinded due to COVID19)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

TERPLET

- Terplet is a web app that allows UMD students to buy/sell off campus housing spaces
- Implemented UI for sellers to post housing spaces, and buyers to favorite spaces using React
- Managed user authentication and posts using Firebase

CONTEXT AWARE IMAGE RESIZER

- Implemented Seam Carving algorithm and GUI that allows users to contextually resize images and see the algorithm in action using Python

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 and Agile framework
- Attended stand-up sessions with full time Software Engineers