

# Advait Ishwar

SOFTWARE ENGINEER

☎ (+1) 202-684-0883 | ✉ [advait.ishwar@gmail.com](mailto:advait.ishwar@gmail.com) | 🏠 [advaitishwar.github.io](https://advaitishwar.github.io) | 📺 AdvaitIshwar | 🌐 [advaitkishwar](https://advaitkishwar.com)

## Education

### University of Maryland College Park

College Park, MD

BACHELOR OF SCIENCE IN COMPUTER ENGINEERING AND STATISTICS, GPA: 3.66/4.0

May 2022

- Minor: Statistics
- Selected Coursework: Operating Systems, Foundations of Machine Learning, Advanced Data Structures, Algorithms, Organization of Programming Languages, Computer Organization, Computer Systems, Intro to Math of Finance, Linear Algebra

## Skills

**Languages** Java, Python, Javascript, C, Ruby, Ocaml, R

**Technologies** React/React Native, Git, UNIX, Docker, Arduino, Matlab

## Work Experience

### Meta

New York, NY

SOFTWARE ENGINEER

June 2022 - Present

- Instagram Trust Privacy Experiences
- Working on fullstack user facing privacy features and experiences
- React, Python, PHP, Javascript

### Amazon

Seattle, WA

SOFTWARE DEVELOPMENT ENGINEER INTERN

May 2021 - Aug 2021

- Led design and development of brand new Onsite Publishing experience for the Amazon Assistant Mobile application
- Enhanced customer shopping experience by providing relevant product info allowing shoppers to conduct product research on Amazon
- React Native, Java, AWS Lambda, AWS S3, AWS API Gateway

### University of Maryland

College Park, MD

ENEE205 (ELECTRIC CIRCUITS) TEACHING ASSISTANT

Jan 2021 - May 2021

- Undergraduate course of 60 students; covers design, analysis, simulation, construction and evaluation of electric circuits
- Held lab and recitation section for 8 students to teach material on digital and analog circuits
- Hosted weekly office hours; graded labs, homeworks, and exams

### Intelligent Automation Inc

Rockville, MD

MACHINE LEARNING INTERN

Jan 2019 - Aug 2019

- 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

## Selected Projects

### Terplet

[github.com/AdvaitIshwar/terplet](https://github.com/AdvaitIshwar/terplet)

REACT, JAVASCRIPT, FIREBASE

- 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

### Image Resizer

[github.com/AdvaitIshwar/Seam](https://github.com/AdvaitIshwar/Seam)

PYTHON

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

### UMD Over Sand Vehicle

College Park, MD

LEAD PROGRAMMER, WATER EXTRACTION TEAM

Aug 2018 - Dec 2018

- Lead team of 8 to design, build and program an autonomous over-sand vehicle to collect 30ml water sample and determined its salinity

### Fannie Mae Hackathon Challenge

Herdon, Va

SOFTWARE ENGINEERING EXTERNSHIP

Jan 2020

- Optimizing mortgage pools given dataset and restraints