

# Arjun Arun

me@arjunarun.com | 224-237-4068

## EDUCATION

### UNIVERSITY OF ILLINOIS AT URBANA CHAMPAIGN

#### MCS IN COMPUTER SCIENCE

Aug 2020 - May 2021

GPA: 4.0

#### BS IN COMPUTER SCIENCE

Aug 2017 - May 2021

College of Engineering

James Scholar, Dean's List

GPA: 3.91

## LINKS

Personal Website: [arjunarun.com](http://arjunarun.com)

Github: [arjun75x](https://github.com/arjun75x)

LinkedIn: [arjunarun](https://www.linkedin.com/in/arjunarun)

## COURSEWORK

### GRADUATE

Advanced Multimedia Systems

Distributed Systems

Databases

Deep Learning

Machine Learning

Artificial Intelligence

### UNDERGRADUATE

Algorithms

Programming Languages and Compilers

Operating Systems

Computer Architecture

Virtual Reality

## SKILLS

### PROGRAMMING LANGUAGES

Python • C++ • Java • C

PHP / Hack • JavaScript •  $\LaTeX$

Swift • Matlab • Verilog

### TOOLS

MongoDB • Git • Mercurial • iOS

Android Studio • Django • NodeJS

AWS • Unity (Oculus) • JUnit • PyTest

## PROJECT LINKS

Fall Risk AR

NLP Stock Analysis

HelloLang

DormDash

## EXPERIENCE

### WAYMO | SOFTWARE ENGINEER INTERN

May 2020 - August 2020 | (Remote) Mountain View, CA

- Worked on Simulation team that Waymo's self driving cars are tested on, primarily in Python and C++
- Integrated new analytics platform into Simulation A/B tests to provide better insights into simulation runs

### FACEBOOK | SOFTWARE ENGINEER INTERN

Jan 2020 - Apr 2020 | San Francisco, CA

- Worked on Media Creation Infrastructure for Instagram using Python and PHP/Hack
- Reduced server-side image upload latency across all products (Feed, Story, Direct) by 15%
- Built new video encoding generation pipeline for Instagram Ads, with new encodings showing 1.4% increase in click-through rate and .1% increase in revenue versus old encodings

### GOOGLE | SOFTWARE ENGINEER INTERN

May 2019 - Aug 2019 | Sunnyvale, CA

- Worked on automating security testing infrastructure for Google Cloud Platform in Python
- Built tool that exposes data exfiltration paths in all security compliant Cloud APIs
- Created tool to validate resource annotations in function calls to assist API teams in patching vulnerabilities

### NOKIA | R&D ENGINEER INTERN

June 2018 - August 2018 | Naperville, IL

- Built VM management application to manage 200+ VMs through Node.js, Express.js, and MongoDB.
- Developed scripts in Python and PowerShell to manage and configure VMs for backend of application
- Utilized Jenkins framework to automate backup and restore processes and perform nightly checks

## ACTIVITIES

### GRADUATE TEACHING ASSISTANT | CS 225 DATA STRUCTURES

Taught CS 225, the main data structures course at UIUC, leading discussion sections of 40+ students, creating assignments, running office hours

### REFLECTIONS PROJECTIONS CONFERENCE | CONTENT TEAM

Staff member of content team responsible for finding and hosting speakers for the largest student run tech conference in the Midwes