Anirudh Maddula

aam252@cornell.edu | 203.490.0730 | 61 Zurko Farm Road, Milford, CT 06461

EDUCATION

CORNELL UNIVERSITY
MEng in Computer Science
Expected May 2020 | Ithaca, NY

CORNELL UNIVERSITY
BS in Computer Science
Expected Dec 2019 | Ithaca, NY
College of Engineering
Cum. GPA: 3.45

LINKS

Github:// **amaddula**
LinkedIn:// **anirudh-maddula**
Personal:// **anirudh-maddula.com**

COURSEWORK

GRADUATE
Advanced Machine Learning
Open Source Software Engineering
Crowdsourcing

UNDERGRADUATE
Computer Vision
Natural Language Processing
Machine Learning for Intelligent Systems
Artificial Intelligence + Practicum
Information Retrieval
Algorithms
Operating Systems
Functional Programming
OOP/Data Structures (Java)
Python
(Teaching Asst)
Artificial Intelligence

SKILLS

PROGRAMMING
Java • Python • Javascript • OCaml
C • C++ • C# • MySQL • LaTeX

FRAMEWORKS
Node • Express • Flask • React
React-Native • Unity • Maven
Docker • Kubernetes • Ansible

OTHER
Windows • Linux • OSX
Git • AWS • Jenkins • JMeter

ACTIVITIES

Big Red Marching Band
Cornell University Indoor Drumline

EXPERIENCE

CAPITAL ONE | Software Engineering Intern
June 2019 - Aug 2019 | McLean, VA
- Built intake application to automate client onboarding into fraud security tool
- Developed React/Redux app with Node.js/Express backend deployed with AWS EC2 instances, AWS Lambda Functions, and AWS DynamoDB

AT&T | Software Engineering Intern
June 2018 – Aug 2018 | Dallas, TX
- Optimized Docker/Kubernetes runtime platform, using Ansible to automate micro-service deployments on Jenkins
- Created tool to improve DirecTV customer retention, using React.js and Java/Spring-Boot analytics API

AT&T | Software Engineering Intern
June 2017 – Aug 2017 | Atlanta, GA
- Developed a micro-services Rest API in Java with Maven around AT&T J2EE framework with Java design patterns with SQL database
- Used JMeter to stress/load test API and deploy it to Jenkins

RESEARCH

NATURAL LANG. PROCESSING LAB | Undergraduate Researcher
Jan 2019 – Present | Ithaca, NY
- Worked with **Claire Cardie** to research argument mining and persuasion
- Predicted argument persuasiveness score using BERT, graph CNN's, and first-order logic representation of arguments
- Constructing machine learning framework to evaluate results on RandomForestClassifier and SVM

VIRTUAL EMBODIMENT LAB | Undergraduate Researcher
Aug 2017 – Dec 2018 | Ithaca, NY
- Worked with **Andrea Won** to research the effects of Virtual Reality on social behavior and immersive communication with VR devices
- Built an interactive Unity model of the earth/moon space system on the Physics Education team as learning tools.

PROJECTS

UniVRsity | Lead Developer
Jan 2018 – May 2019 | Ithaca, NY
- Co-founded startup to create an immersive Virtual Reality classroom
- Built monolithic-first architecture for AWS multi-platform interface: VR, web-apps, and mobile apps
- Designed the AI assistant, graphics, and networking environment for VR classroom in Unity/C# for Oculus Go's

CHEME CAR PROJECT TEAM | Electronics Subteam Lead
Aug 2016 - May 2018 | Ithaca, NY
- Managed a sub-team of 5 members, directed assignments and project development, maintained team leadership as officer
- Collaborated alongside 30 other team members to improve circuitry and Arduino Uno motor controllers