Ojas Mor

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Education

University of Illinois at Urbana-Champaign — Champaign, IL
Bachelor of Science in Computer Engineering — *May 2024*
- President — Engineering Freshman Council

Cupertino High School — Cupertino, CA
High School Diploma — *Aug. 2016 – June 2020*

Experience

Software Engineering Intern — September 2020 – Present
U.S. Department of State (VSFS) — *Cupertino, CA*
- Extensively used ML techniques for key phrase extraction, sentiment analysis, text analysis, entity recognition, topic modeling, language identification, and translation
- Trained, validated, tested, and delivered a realistic key phrase identification model used in field to predict classification of large sets of texts
- Developed large scale Web scraping using Beautiful Soup (python) which helped prepare larger test data sets

Web Design Tutor — June 2020 – August 2020
Future Engineers Camp — *Cupertino, CA*
- Taught a group of middle school students fundamentals in JavaScript, HTML, and CSS
- Supervised and encouraged students to create a personal website as a final project
- Introduced over fifty students to Git and version control

AP Computer Science Teaching Assistant — August 2019 – June 2020
Cupertino High School — *Cupertino, CA*
- Mentored students during lectures by adding relevant tips and advice
- Graded homework, tests, and labs on a weekly basis with other TAs in a group setting
- Created projects and challenging assignments for students to demonstrate mastery

Projects

Intro to Self Driving Cars - Udacity | *Python, Jupyter Notebooks, C, C++,* — June 2020 – July 2020
- Implemented matrix class with linear algebra fundamentals to calculate heuristics
- Created A* search algorithm using C++ high-performance techniques
- Developed a traffic light classifier with 97% accuracy using image processing pipeline with openCV

Small Scale Autonomous Car | *Python, OpenCV, DonkeyCar, Git, TensorFlow* — July 2019 – August 2019
- Built small-scale autonomous car with RaspberryPi, PiCam, 3D-printed parts, RC car
- Trained models using UC San Diego supercomputer GPU cluster
- Programmed car using a combination of python, OpenCV, and TensorFlow

Leadership

President - Engineering Freshman Council — September 2020 – Present
University of Illinois at Urbana-Champaign — *Champaign, IL*
- Lead an executive committee which organizes talks, workshops, service opportunities, and more
- Represent the Class of 2024 Engineering at Engineer Council executive meetings
- Work with deans and faculty to better the overall learning experience at UIUC

Technical Skills

Languages: Java, Python, C/C++, SQL (MySQL), JavaScript, HTML/CSS
Developer Tools: Git, Docker, Google Cloud Platform, IntelliJ, Eclipse, Google Colab, Trello
Libraries: Pandas, NumPy, Matplotlib
Relevant Coursework: Calculus I and II, Physics - Mechanics, Intro to Computing