Shreyas Mohan

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Education

UNIVERSITY OF ILLINOIS AT URBANA CHAMPAIGN – B.S. COMPUTER ENGINEERING; 2017-2021

Awards/Merits: James Scholar, Chancellors Scholar (CHP), Provost Scholar
Activities: Association for Computing Machinery (ACM), HackIllinois, Hack4Impact
Relevant Coursework: Intro to Programming, Intro to Electronics, Discrete Structures, Linear Algebra
GPA: 3.98

METEA VALLEY HIGH SCHOOL; AURORA, IL

Awards/Merits: National Merit Scholar, National AP Scholar, Illinois State Scholar
Activities: Science Olympiad (leader), WYSE (leader), Math Team, Orchestra, 150 volunteering hours
GPA: 3.96 Unweighted, 4.59 Weighted, Summa Cum Laude

Skills

Familiar with: **Python**, **C, SQL, C#, Javascript, Git**
Frameworks: **Flask, React.js,**

Experience

INTERN, ELECTRONIC VISUALIZATION LAB, UIC; CHICAGO, IL – SUMMER, 2016

Developed a virtual/augmented reality application for the **CAVE 2** and **Microsoft Hololens** that teaches the user how to play the viola under Professor Andy Johnson and Mr. Lance Long. Used **C#, Javascript and Unity**. For more information, please visit: https://www.evl.uic.edu/entry.php?id=2237.

RESEARCHER, FERMILAB; BATAVIA, IL – SUMMER, 2016

Wrote **python** scripts in **Jupyter Notebook** that analyzed large data sets from the Compact Muon Solenoid (CMS) experiment at CERN to discover new particles and physical properties under Professor Mark Adams. For more information, please visit: https://goo.gl/cHNv3t

Projects

ECE 110/120 HONORS LAB; MUSIC BOT

Developing a smart speaker with sensors that can measure temperature, light, motion etc. of a room and can adjust the genre, mood, and volume of the music accordingly. Utilizing a raspberry pi, multiple sensors, Gracenote API, and Spotify API to build this project.

CS 196 HONORS SECTION; SENDMEJUNK

Made a website using **HTML** and **Python (Flask)** that sends the user daily reminders, news articles, and motivational quotes via email and SMS.

Activities

BACKEND DEVELOPER, HACK4IMPACT; UIUC – 2017-PRESENT

Backend developer for Hack4Impact, an organization that creates software products for non-profits. Latest project consisted of making a RESTful API for dynamic educational website for a non-profit in Florida. Used **Flask**, **Postgres**, and **SQL Alchemy.**

MEMBER, HACKILLINOIS OUTREACH TEAM; UIUC – 2017-PRESENT

Part of the outreach team at HackIllinois. Responsible for sending out emails to prospective sponsors and mentors for the University's large open source hackathon in February.

MEMBER, AUTONOMOUS VEHICLE COMPETITION; ROSE-HULMAN INSTITUTE OF TECHNOLOGY – MAY 2017

Worked in groups to program an autonomous car using **MATLAB and Simulink**. Raced the cars on different tracks and placed third in the competition at Rose-Hulman Institute of Technology.