Samvit Agarwal

Incoming freshman at UC Berkeley studying Electrical Engineering and Computer Science (EECS)

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EDUCATION

Dual Enrollment
Princeton University

09/2020 - Present

Courses
- Selected to take undergraduate-level computer science courses as a senior in high school.
- Received an A in COS 226: Algorithms and Data Structures.

High School Student
West Windsor - Plainsboro High School South

09/2017 - Present   *GPA: 4.00/4.00(UW), 4.82/5.00(W)*

Activities + Honors
- Model United Nations(Director-General), CS Club(President), Tech Desk(President).
- National Merit Finalist, National Honor Society, National AP Scholar.

EXPERIENCE

President & Founder
CS Remastered ⧉

06/2018 - Present   *West Windsor, NJ*
501(c)(3) nonprofit organization aimed at teaching students one-on-one personalized computer science for free.

Achievements/Tasks
- Got 350 students, 300 volunteers, & 6 global branches. Solicited sponsorships from notable companies including Google and Wolfram(valued at $10K+). Ran joint programs with other nonprofits including HomeFront NJ and Girls Who Code. Received national Gold Presidential Volunteer Service Award and Point of Light Award.
- Featured on NJ.com and The CS Monitor.

CEO & Co-founder
Hospified ⧉

09/2019 - Present   *West Windsor, NJ*
Hospified is a healthcare startup that aims to bring transparency to medical prices through user crowdsourcing.

Achievements/Tasks
- Won the national Congressional App Challenge - Invited to Capitol Hill and commended by US congresswoman.

Lead Organizer
WWPHacks ⧉

02/2020 - 11/2020   *West Windsor, NJ*
WWPHacks is an official MLH sponsored 24-hour virtual hackathon run by our school's Computer Science Club.

Achievements/Tasks
- Got 250+ participants & secured sponsorships from major corporations(including Linode, Wolfram, and 1Password) totalling $5K+.

SKILLS

Python Java NumPy TensorFlow
HTML/CSS/JS Bootstrap UI/UX Design
Data Analytics Public Speaking Leadership

PROJECTS

Intellicity ⧉
- Flexible, real-time app that provides live information about important local events such as crimes & imminent danger through crowdsourcing.
- Won Top 30 at PennAPPS 2019(800+ competitors).

Social Eyes ⧉
- Web-based social media monitoring system that provides users with a simple interface to identify and remove potentially inappropriate/profane posts from their social platforms.
- Won 1st place at MakeSPP 2018(150+ competitors).

Crisis Connect ⧉
- App that provides victims of natural disasters a simple way to communicate without wifi or cellular networks through a mesh network.
- Won Top 5 at ProfHacks 2019(200+ competitors)

Unifyd ⧉
- Decentralized marketplace connecting vendors to buyers amidst COVID-19.

HSSDaily
- Built a web-platform for peers at school. Functions as an announcement board that informs students of important information such as absent teachers or upcoming events each day.
- Got 1,200 users across our district.

RESEARCH

NJ Governor's STEM Scholars Program
Selected in an annual group of 90 students(1,000+ applications). Currently working on a year-long research project analyzing flood resistant homes through machine learning and core engineering principles.

Rutgers Intelligent Visual Interfaces Lab
Used TensorFlow and OpenCV to analyze and classify indoor and outdoor signs. Developed 3D renders using Rhino to determine optimal sign placement locations for maximum accessibility and visual clarity. Work aims to help the visually impaired easily identify important signs.

OTHER AWARDS

USA Computing Olympiad Gold Division(Top 15% of all competitors).

Model United Nations(3x Outstanding Delegate, 1x Verbal Commendation).