

Prannav Gupta

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Education

UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN

2018 – DEC 2021 (EXPECTED)

- Bachelor of Science in Computer Engineering (GPA: 3.72/4.0)
- College of Engineering James Scholar, Dean's List Spring 19
- Related coursework: Introduction to Computer Systems and Programming (ECE 220), Introduction to Electronics Honors (ECE 110H), Data Structures and Algorithms Honors (CS 225 IP), Analog Signal Processing (ECE 210 IP)

Skills: C/C++, Python, Flask, HTML/CSS, Assembly (LC-3), C#, Raspberry Pi, MATLAB, AWS, Unity

Work Experience

HEALTHCARE ENGINEERING SYSTEMS CENTER (CSL)

JUNE 2019 – PRESENT

SOFTWARE ENGINEERING INTERN

(URBANA, IL)

Working on a cross-platform Unity C# Virtual Reality application to help instructors create rich VR experiences such as Training Modules, Assessments and Demos for Oculus and SteamVR.

ILLINOIS STATE WATER SURVEY

AUG 2018 – FEB 2019

UNDERGRADUATE RESEARCH ASSISTANT

(CHAMPAIGN, IL)

Built an image processor for the ISWS Lake snow effect identifier tool to detect a region-of-interest using Python and OpenCV. Processed large quantities of LIDAR data using Python and used open-source libraries such as matplotlib to interpret the data. Conducted field experiments for the NSF funded SAVANT project to analyze the effect of stable boundary layers on crop productivity

MICROSOFT

NOV 2015 – DEC 2017

STUDENT PARTNER

(NEW DELHI, INDIA)

Drove engagement with Microsoft products and services and acquired new skills in domains such as cloud computing (Azure) and app development (UWP/Xamarin) by participating in tech talks and meetups across the country

Relevant Projects

TRACERBOT

JANUARY 2019 – MAY 2019

Used Arduinos and Servos to create a pen tracer which imitated a human drawing on a resistive touch overlay in real-time as a part of ECE 110 Honors

ILLC3

FEBRUARY 2019

Co-Created an extension to add support for the LC3 assembly language for Visual Studio Code.

Top 10 at HackIllinois 2019 and has 100+ installs from the Visual Studio Code marketplace

GIFT IT!

OCT 2018

Created a Gift Recommendation Generator which utilizes machine learning to semantically match the users interests and preferences such as price range with the descriptive attributes of the products to give a ranked list of suggestions with URL's to purchase them. Project created at HackGT, Georgia Tech

MOCK STOCK TRADING PLATFORM

JUL 2018

Implemented user authentication and used a real-time API to fetch real-time stock data

Implemented the ability for a user to change passwords, look up current stock prices and see the net value of their portfolio. Personal Project created in the summer of 2018

Languages: English, Hindi, Japanese (Limited Proficiency)