

Ali Husain

105 E Daniels St, Apt. #203, Champaign, IL | 630-461-0355 | alijh2@illinois.edu | alihusa.in

EDUCATION

University of Illinois at Urbana-Champaign

Champaign, IL

Bachelor of Science in Computer Engineering

Expected Graduation Date: May 2024

- GPA: 3.73
- James Scholar
- Relevant Coursework: Data Structures, Computer Systems and Programming, Analog Signal Processing, Discrete Math

EXPERIENCE

Visint Technology Solutions

Schaumburg, IL

Market Research Intern

May 2021 - Present

- Documented market data on over 100,000 parking spaces in the suburban Illinois region with Excel and Google Maps
- Learned the challenges of a start up environment alongside contributing to their customer acquisition strategy

Amizade

Bolivia

Virtual Study Abroad Student

Oct 2020 - Dec 2020

- Led a group in designing a sustainable drip-irrigation apparatus for home gardens in Bolivia
- Engaged in global service learning with Bolivian educators

Streamline Healthcare Solutions

Oakbrook, IL

Software Engineer Intern

May 2021 - Present

- Assisted integrating Azure into Streamline's mobile health application to allow clinicians to receive push notifications

LEADERSHIP

Product Management @ I

University of Illinois at Urbana-Champaign

Operations Team Member

Sep 2021 - Present

- Coordinated weekly member meetings, emails and social events to boost engagement for our 60 member organization
- Formulated solution that tackles student loan debt while utilizing the Scrum framework

ECE Student Advancement Committee

University of Illinois at Urbana-Champaign

Social Committee Member

Aug 2020 - Present

- Organized a mentorship program for over 100 undergraduate/graduate students in the ECE department
- Hosted ECE Coffee House: a yearly tradition that showcases talent across students/faculty in the department

TECHNICAL PROJECTS

Cat or Dog Detector

Dec 2021

- Employed Python, Tensorflow, and Google Colab to train a Convolutional Neural Network with 10,000 images of cats and dogs
- Tuned parameters to converge an accuracy of 86.3% and standard deviation of 4.5%

California Route Finder

Nov 2021

- Utilized Stanford LN Dataset of roads and intersections in California to calculate the shortest route between any two locations with C++ and Python
- Created a graphical illustration of the shortest path for the user to visualize their route

Postfix Notation Calculator

Nov 2020

- Developed a calculator in LC-3 Assembly Language that performs and outputs calculations written in Postfix Notation
- Implemented addition, subtraction, division, multiplication, and exponent functionality

CERTIFICATIONS

Machine Learning A-Z: Hands on Python/R in Data Science

Udemy, Jan 2021

Agile at Work: Building your Agile Team

Linkedin, Oct 2021

LANGUAGES

C++, Java, Python, C, HTML, Javascript, Clojure

FRAMEWORKS & TOOLS

Scikit-learn, Pandas, Numpy, Tensorflow, Matplotlib, Google Colab, AWS S3/Route53, Git, Excel