Ali Husain

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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   **Bolívia**
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 2022
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