

Neil Sahai

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EDUCATION

University of Illinois at Urbana-Champaign

Class of 2024

Bachelors of Science in Computer Science

G.P.A 4.00/4.00

- *Honors:* Dean's List (top 20% of class, all semesters); James Scholar
- *Relevant Coursework:* Data Structures and Algorithms, Computer Architecture, Discrete Structures, Intro to Computer Science, Linear Algebra, Statistics and Probability for Computer Science, Numerical Methods

EXPERIENCE

University of Illinois at Urbana-Champaign

Champaign, IL

Research Assistant

Feb 2021 – Present

- Researched under Professor Hongye Liu to create deep-learning models to predict the onset of cancer in organs.
- Used Machine Learning, Deep Learning, and AI technologies such as Keras and TensorFlow to develop a proactive model that predicts whether the given image could have possible traces of life-threatening diseases such as cancer.

Teledoc Health

Los Angeles, California (Remote)

Solutions Architect Intern

June 2020– August 2020

- Worked on a Data Analytics team to better understand incoming patients' data in the midst of the COVID pandemic
- Utilized Amazon AWS tools such as DynamoDB, Lambda, Kinesis, and Amazon Redshift alongside Python and API Gateway to investigate patient flow and their reasons for medical visits.
- Performed data transformations with AWS Lambda and Kinesis to help Teledoc Health analyze the medical landscape.

TECHNICAL SKILLS

Programming Languages: C++, C, Python, SQL, MIPS assembly, Verilog, Java, JavaScript, HTML, CSS

Tools & Technologies: AWS, Git, Microsoft Excel, NumPy, SciPy, Matplotlib, Pandas, Machine Learning

Certifications: Oracle Certified Associate, Java SE 8 Programmer

Other Skills: Public Speaking, Writing, Singing, User Research

VOLUNTEERING & LEADERSHIP

OTCR Consulting

Champaign, IL

Consultant

Feb 2021 - Present

- Consultant in student consulting firm with 100+ clients including Fortune 500 Companies, startups, and local businesses.
- Selected as 1 of 16 new hires consultants from an applicant pool of 200+ students after a rigorous case interview process.
- Attended trainings on research, public speaking, Excel, and Capital IQ to develop fundamental consulting skills.

Renaissance Charitable Foundation Inc.

Chicago, IL (Remote)

Volunteer Software Developer

July 2020 – Present

- Created a new WordPress site with custom HTML plugins to attract more donors to the site and better portray the organization's mission, which is to develop a technology-driven education program for low-income students.
- Used Node.js, React, and WordPress to build a more user-friendly website frontend in order to attract more donors.

International Talent Academy

Chicago, IL (Remote)

Volunteer Software Developer

July 2020 – Present

- Volunteered for the Liberal Arts School, focused on the benefits of liberal and performing arts education.
- Revamped the website frontend using Node.js, React, and WordPress to attract and manage a larger pool of donors.

INTERESTS

FC Barcelona, Chicago Bulls, Basketball, Tennis, Football, Music, *The Office*, Cooking, Working Out, *Call of Duty*, Anime, Finance