Computer Science @ UIUC **Kanchan Krishna** **Dublin, California**

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EDUCATION

UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN **CHAMPAIGN, IL**

Bachelor of Science in Computer Science | Statistics Minor | Dean's List *Graduating May 2025*

ABOUT

An enterprising self starter with a track record of innovating solutions to abstract problems & marketing their benefits

WORK EXPERIENCE

JUSTPAID (Y-Combinator Startup Winter 2022 Batch) **SAN FRANCISCO, CA**

Software Engineer Intern *January 2023 - Present*

- Leveraged prompt engineering to enhance current chatbot service and performed thorough tests on OpenAI Playground
- Programmed unit tests using Python and Django for Checkbook API and resolved software bugs using Sentry.io
- Chosen by the CEO to program voice-activated, financial iOS chatbot in tandem with Apple's novel visionOS technology

DISRUPTION LAB (UIUC Academic Unit) **CHAMPAIGN, IL**

Software Engineer

[AMD Malware Detection Project] *September 2023 - Present*

- Collaborating with AMD (Advanced Micro Devices) to collect hardware performance counter data for malware detection
- Leveraging dynamic analysis to develop a machine learning model that pinpoints malware instances in AMD hardware

[Reyes Coca-Cola Bottling Project] *January 2023 - May 2023*

- Utilized Python, Snowflake, and data science to identify prominent patterns in machine malfunctions for Reyes Coca-Cola Bottling (client) & presented telling trends crucial to their understanding of factory failures during weekly presentations
- Visited the manufacturing plant and consulted with the engineers to learn about the internal processes of the facility

[Seed2Sale Illinois Blockchain Project] *September 2022 - December 2022*

- Designed & implemented a blockchain based solution for Seed to Sale tracking of cannabis for a federal agency
- Developed smart contracts using Solidity and the TableLand API & communicated progress during weekly client calls

JUNI LEARNING **SAN FRANCISCO, CA**

Computer Science Instructor (Part Time) *March 2022 - Present*

- Teaching 250+ individual sessions of Data Science, Java, Python, and C++ to 10 students (elementary to high school ages)
- Took initiative to curate a coding question bank for homework exercises, which was well-received by 450+ instructors

IBM **SAN JOSE, CA**

Technology Intern *June 2020 - August 2020*

- Built a program that recognizes images of handwritten digits using TensorFlow & Python
- Completed AI-related mathematical exercises involving optimization & back propagation

MISCELLANEOUS TECHNOLOGY EXPERIENCES

- Software Engineering Fellow @ **Uber**, Pioneer Program Member @ **Y Combinator**, Coding Teacher @ **Girls Who Code**

TECHNICAL PROJECTS

- **Syllabus Parser - April 2022** (*Python, Google Tesseract, Google Calendar API)*:
  - Collaborated with a Meta research scientist & led 2 students to create a syllabus reader as part of the AI4ALL program
  - Drove the design & implementation of the program, which parses a pictorial, structured syllabus & automatically creates Google Calendar events based on assignments & their corresponding due dates
- **Study Set Timer Feature for Quizlet Inc. - January 2021** (*Python, Flask, HTML, SQL)*:
  - Coded a timer feature that provides feedback according to the time it takes a student to study a set of terms/concepts
  - Marketed feature's benefits to the Vice President of Engineering at Quizlet Inc. & forwarded to Quizlet's product teams
- **Tennis Court Reservation System for San Ramon City - September 2020** (*Python, Flask, HTML, SQL, CSS)*:
  - Built a reservation system that allows users to reserve courts, cancel reservations, view court activity, and review app
  - Successfully communicated system's benefits & persuaded the San Ramon Recreation Department to adopt the idea after 6 months of deliberation

SKILLS

- Proficient: C++ | Intermediate: Java, Python, Flask, C, SQL, Swift, iOS Dev, NumPy, Matplotlib, Systems, HTML/CSS

AWARDS

- FIRST Tech Challenge Google Robotics Competition: Finalist (2019) | American Mathematics Competition: Honors (2017)