Prashanth Bhaskara

pbhaskara@uchicago.edu https://github.com/PrashanthBhaskara 747-218-1106

EDUCATION

The University of Chicago Chicago, IL

Bachelor of Science in Computer Science (Specialization in Machine Learning) and Mathematics Expected, June 2025

Coursework: CMSC 25400 (Machine Learning), CMSC 27200 (Theory of Algorithms), CMSC 23500 (Introduction to Databases), CMSC 23710 (Scientific Visualization), MATH 20250 (Abstract Linear Algebra), MATH 20300-20500 (Analysis in Rn (1-3))

Crescenta Valley High School La Crescenta, CA

Graduated June 2021

GPA: 4.62

AP Scholar, National Merit Scholarship Finalist, GUSD Scholastic Bowl 1st Place (2018,2021)

WORK EXPERIENCE

Siemens Digital Industries Software Chicago, IL

Technology and Innovation Intern June 2023– Present

- Modeled production facility using Plant Simulation and devised Python algorithm to chart routes through plant.
- Developed Mendix application allowing clients to order coffee package and watch order's creation in realtime.

Behavioral Experimental Economics Research Lab Chicago, IL

Undergraduate Research Assistant (Worked under Professor Anya Samek) April 2022 – September 2022

- Collected and performed classification analysis for data on economic theory in health and finance markets.

Birdi & Associates Incorporated Pasadena, CA

Software Intern July 2019 – August 2019

- Gained exposure with web development, and assisted with end to end development of company website.

LEADERSHIP AND ACTIVITIES

Paragon Global Investments Chicago, IL

Principal Quantitative Research/Board Member January 2023 – Present

- Leading development on systemic algorithms put to use towards comprehensive trading strategies.

CV Enterprises La Crescenta, CA

Cofounder and Lead Developer September 2018 – October 2020

- Cofounded and organized a student run consulting company
- Managed team of fellow students in order to develop applications for clients in the La Crescenta community.

PROJECTS

Community Service Logger

- Collaborated with school administration to build and distribute Ruby on Rails based community service portal which stored community service hours entries from students and created reports which analyzed student data.

Simulation Pathfinder

- Developed a Python pathfinding algorithm in conjunction with Siemens Plant Simulation in order to chart shortest route for worker to travel amongst several stations in a production facility. (Variation of TSP Problem)

Coffee Ordering App

- Created user interface for a coffee box ordering application and created connections for application to interface with an Automated Ground Vehicle to create and deliver order in real time.

Shell Terminal

- Created a Unix based working shell with built-in commands, advanced redirection, and forking. (Developed in C)

SKILLS/QUALIFICATIONS

Comfortable with implementation and use of object oriented programming, databases, data structures, and algorithms.

American Invitational Mathematics Exam (AIME) Qualifier — 8/15 (2020 Top 400)

Skilled: Java, Python, R, C++, Rust