

Prabhas Kurapati

Github: github.com/prabhask5

LinkedIn: <https://www.linkedin.com/in/prabhas-kurapati-2a5736210/>

Email: prabhask@berkeley.edu

Mobile: 850-960-1474

EDUCATION

- University of California: Berkeley** Berkeley, CA
 - Bachelor of Science - Electrical Engineering & Computer Sciences; GPA: N/A* *August 2022 - May 2026*
 - Courses: Structure and Interpretation of Computer Programs, Designing Information Devices and Systems*
- James S. Rickards High School** Tallahassee, FL
 - International Baccalaureate Program; GPA: 4.8; Class Rank: 1/284* *August 2018 - May 2022*
 - Courses: AP Statistics, AP Calculus BC, AP Computer Science A, IB Chemistry HL, IB Physics SL, AP Chemistry*

EXPERIENCE

- Florida Agency for Persons with Disabilities** Tallahassee, FL
 - Application Development Intern* *Jun 2021 - Aug 2021*
 - Overview:** Advanced an ASP.NET web application that manages other applications on APD servers for continuous development and upkeep, vital for future workflows and management at APD.
 - Technical Skills:** Developed framework of application built through the MVC model, using JavaScript, C#, SQL, Razor, and Entity Framework.
- HelpingSoup** Tallahassee, FL
 - Co-Founder/Software Developer* *Jun 2021 - May 2022*
 - Leadership:** Co-founded non-profit that gives people an opportunity to easily give back to food banks by donating remotely using volunteer drivers from all over Tallahassee to pick up these donations.
 - Technical Skills:** Developed full stack web application using base JavaScript, JQuery, HTML, CSS, including backend JS frameworks such as Express and Node.
 - Collaboration Skills:** Collaborated with team of 3 people, effectively splitting development tasks to maximize productivity.
 - Impact:** Spread to 4+ soup kitchens throughout Tallahassee, helping 150+ needy people.

PROJECTS

- Python Shortest Path Visualizer (Genetic Algorithm, Shortest Path Algorithm, Python Fluency):** Uses Python's PyGame framework to display several shortest path finding algorithms, including A* and two different genetic algorithms which change certain parameters that a genetic player follows to find the shortest path to a user-selected end point.
- YSP Experimental and Real-World Analysis of the Relationship Between Wind Speed and Atmospheric Pollution Concentration Capstone Research Project (Computer Vision, Python Fluency):** Research presentation that analyzed videos of fluid dynamics experiments provided by FSU's Geophysical Institute using Python's openCV framework to calculate the correlation between wind speed and the air pollution in urban environments, supporting these computations with real world data.

SKILLS

- Software:** (*proficient*): Python, Java, JavaScript, SQL (*familiar*): Node.js, Microsoft SQL Server, MySQL, ASP.NET MVC, C#, HTML, CSS
- Collaboration:** Organization, Leadership, Teamwork, Communication, Mediation

HONORS AND AWARDS

- Promoted to USACO Silver Division - February, 2020
- 2x AIME Qualifier - 2020, 2021
- Top 1% of Participants in Google Code Jam Qualifying Round - April, 2022

LEADERSHIP EXPERIENCE

- Robotics for All/Tutoring for All** Remote
 - Head of Material Development/Curriculum Development Lead/Lead Instructor* *Dec 2020 - Jul 2022*
 - Head of Material Development:** Headed groups of 5-6 curriculum designers to develop new supplemental materials for future tutors in Tutoring for All to use to supplement their tutoring, made materials for for 25+ active tutors to teach 100+ active students.
 - Curriculum Development Lead:** Led a group of 5-6 people to develop Java curriculum for 25+ teachers to reference to help teach students across the nation.
- 2021 Rickards Science Olympiad Invitational** Tallahassee, FL
 - Director* *Jul 2021 - Nov 2021*
 - Overview:** Biggest student run Science Olympiad competition in the nation with 2700+ students competing from 20+ states across the US, ran 35 high school and middle school online tests for competitors.
 - Responsibilities/Skills:** Advertising for test writers, overseeing test writing and editing logistics, and overseeing the whole event supervising process (writing, editing, supervising the event on the day of the competition, grading).