RISHAV ROUT

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EDUCATION

University of Illinois at Urbana-Champaign   May 2021
Bachelor of Science, Computer Science   Current GPA: 3.76
Relevant Coursework: Data Structures, Algorithms, Computer Architecture, Systems Programming, Computer Vision, Database Systems, Bioinformatics, Computer Security, Languages and Compilers
Computer Languages and Tools: Java, C++, C, Javascript, Typescript, SQL, MongoDB, Neo4J, Angular, NodeJS, OOP, Python, HTML, Git, Agile, Selenium, Qt, OpenCV

EXPERIENCE

Software Engineering Intern   Mountain View, CA
Waymo (Formerly The Google Self-Driving Car Project)
- Offer cancelled due to COVID-19

Autonomous Vehicle Perception   Urbana, IL
CS 445 Team Project   September 2019-December 2019
- Controlled an RC car with lane, human, object, and sign detection, utilizing OpenCV, DarkNet YoloV3, Python3, and NumPy
- Calculated the optimal movement for the car given these detections in a controlled environment

Foresight 2020   Urbana, IL
CS 411 Final Project   October 2019-December 2019
- Developed a web application using NodeJS that gives the best recommendation for who to vote for in the upcoming election based on stance various political issues
- Implemented a MySQL and MongoDB database to store user and candidate information, survey results, as well as posts on Reddit related to the recommended candidates using Reddit's API

Software Engineering Intern   Westlake, TX
Fidelity Investments   May 2019-Aug 2019
- Redesigned UI for web application from start to finish, built using Angular, Typescript, and NodeJS
- Connected tabular display to backend with service calls, complete with obtaining, editing, and saving
- Application utilized for large scale testing across various configurations and environments
                                                              May 2018-Aug 2018
- Member of SHARES application team in Corporate Technology Group
- Designed automated regression tests using Selenium, to be run before each deployment
- Secured tests using Java password encryption tools

Ultimate Stats App   Urbana, IL
CS 126 Final Project   April 2018-May 2018
- Application designed to track and manage stats and scores during an Ultimate Frisbee game
- Written in C++ using Qt, allowing for function GUI to keep track of yards gained per throw, etc

LEADERSHIP

Illinois Men's Club Ultimate Frisbee Team   Urbana, IL
President   May 2019-Present
- In charge of coordination between team, captains, and school administrating
- Communicate with USA Ultimate for rostering and registration to ensure eligibility and standing

The Boy Scouts of America   Coppell, TX
Eagle Scout and Assistant Senior Patrol Leader   May 2015-August 2016
- Second-in-command of local Boy Scout troop
- Coordinated dozens of campouts, fundraisers, service projects, and volunteering events