# RISHAV ROUT

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## EDUCATION

**University of Illinois at Urbana-Champaign** <span style="float:right">May 2021</span>

*Bachelor of Science, Computer Science* <span style="float:right">Current GPA: 3.76</span>

**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** <span style="float:right">Mountain View, CA</span>

*Waymo (Formerly The Google Self-Driving Car Project)* <span style="float:right">Beginning May 2020</span>
- Member of Fleet Response Team (Behavior)

**Autonomous Vehicle Perception** <span style="float:right">Urbana, IL</span>

*CS 445 Team Project* <span style="float:right">September 2019-December 2019</span>
- 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** <span style="float:right">Urbana, IL</span>

*CS 411 Final Project* <span style="float:right">October 2019-December 2019</span>
- 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** <span style="float:right">Westlake, TX</span>

*Fidelity Investments* <span style="float:right">May 2019-Aug 2019</span>
- 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

<span style="float:right">May 2018-Aug 2018</span>
- 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** <span style="float:right">Urbana, IL</span>

*CS 126 Final Project* <span style="float:right">April 2018-May 2018</span>
- 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** <span style="float:right">Urbana, IL</span>

*President* <span style="float:right">May 2019-Present</span>
- 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** <span style="float:right">Coppell, TX</span>

*Eagle Scout and Assistant Senior Patrol Leader* <span style="float:right">May 2015-August 2016</span>
- Second-in-command of local Boy Scout troop
- Coordinated dozens of campouts, fundraisers, service projects, and volunteering events