

# 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, Computer Architecture, Systems Programming, Computer Vision, Database Systems, Algorithms

**Computer Languages and Tools:** Java, C++, C, Javascript, Typescript, SQL, MongoDB, Neo4J, Angular, NodeJS, OOP, Python, HTML, Git, Agile, Selenium, Qt, OpenCV

**Interested in:** Software Engineering, Artificial Intelligence, Machine Learning, Bioinformatics

## EXPERIENCE

**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