

# Roger Wang

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## Education

Boston College Graduated May 2021  
B.S. Computer Science GPA: 3.78/4

## Experience

**Warner Bros. Discovery** July 2022 -- Present  
*Software Engineer* New York, NY

- Proposed and developed a **Roku** channel automated testing framework to reduce smoke testing time by 80%
- Developed an in-client debugging UI to eliminate the need to recompile when testing different app parameters
- Delivered UI features and bug fixes for Discovery+ global launch and Discovery+ Beijing 2022 Olympics launch

**NASA Jet Propulsion Laboratory** June 2020 -- Aug 2020  
*Software Engineering Intern* Pasadena, CA

- Built an interactive visualization tool with **React.js** and **Python** for the MAIA imaging instrument enabling operators to monitor and detect errors and anomalies in captured telemetry
- Implemented an error report generator to meet the mission's data loss accountability requirement

**Boston College GET Delivery** Aug 2018 -- May 2019  
*Fullstack Software Engineer* Chestnut Hill, MA

- Built a deliverer profile page using **React.js** that displays stats and achievements that serves 50+ student deliverers
- Developed the in-app SMS feature to enable anonymous instant messaging between customers and deliverers

## Projects & Publications

**Among Us Multiplayer Game** Dec 2020 -- April 2021

- Built an interactive real life game experience inspired by the game Among Us using **Flutter**, **Typescript**, and **Node.js**
- Served over 80 students who played the game across multiple sessions with concurrent running game servers

**LiteDoc – A distributed collaborative editing tool** Jan 2020 -- May 2020

- Created a collaborative text editor client and a distributed system of proxy and leader-election servers in **Go** that implements the SWMR atomic register concurrency approach outlined in the LiteDoc research paper
- Presented a demo of LiteDoc at the Percom2020 distributed computing conference in March 2020

**Live Subtitles** Mar 2019

- Developed a real-time AR speech bubble subtitles app to help individuals with impaired hearing using face-api and Google's speech-to-text API in Hack Dartmouth V

## Activities

**Boston College CS Society** Aug 2018 -- May 2021

- Lead team of 6 students to launch the organization's website and 2019 and 2020 hackathon websites
- Organized and led Git, Web development, React.js, and Machine Learning workshops
- Served as Tech Lead in 2019-2020 and Treasurer in 2020-2021

**Computer Science Teaching Assistant** Jan 2020 -- Dec 2020

- Held weekly office hours and graded homework for the following courses: Data Science, Machine Learning

## Skills

- Programming Languages: Python, TypeScript, JavaScript, BrightScript, C, SQL, Java, HTML/CSS
- Software Stack: React.js, Node.js, Flutter, MongoDB, MySQL, pandas, matplotlib, PyTorch
- Tools: Git, Unix, AWS (S3, SNS, SES, EC2)