# Xinyu Yang

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| https://github.com/yxyyy0302 | https://yxyyy0302.github.io/landing-page/

## EDUCATION

*University of Maryland, College Park, MD*
**Bachelor of Computer Science**                                                  **Anticipated: May 2026**
- *Cumulative GPA*: 3.812
- *Honors:* Dean's List Recognition December 2022 - Present, Computer Science Honors August 2023 - Present
- *Relevant UMD Coursework:* Computer Science Honors Seminar, Web Application Development with JavaScript, Organization of Programming Languages, Algorithms, Introduction to Parallel Computing

## PROJECTS

**Discord Bot**
- Created an online Discord bot named "Russian Roulette Bot" through IntelliJ, utilizing Java and Discord API that allows Discord users to play a game called Russian Roulette with it
- Claimed the "Active Developer" badge with the bot on Discord Used in multiple servers for people to play the game and is still being used today

**AI Customer Support**
- Developed an AI-powered chatbot using Next.js, Firebase, and the OpenAI API to provide real-time customer support
- Implemented server-side functions for user authentication, enabling users to register and log in with a unique username and password
- Collaborated with a team of four through GitHub during the development process, contributing to the successful development and integration of key features

## EXPERIENCE

**CMSC335 Teaching Assistant**, *University of Maryland, College Park, MD*                        **August 2024 - Present**
- Conducted regular office hours, offering support to more than 20 students each week with debugging their projects and addressing questions about web application development course material
- Engaged in the assessment and grading of students' webpage projects and exams, leveraging a variety of skills such as HTML/CSS, JavaScript, Node.js, and additional tools, by manually testing them against established criteria to ensure accurate evaluation

**Social Science Quarterly Assistant**, *Institute for China's Democratic Transition*                **December 2023 - January 2024**
- Utilized Python scripts to automate the retrieval of emails for a social science quarterly
- Successfully retrieved over 10,000 emails within two weeks, organizing them into an Excel spreadsheet for the quarterly's future use in sending out information

**Headstarter Fellow**, *Headstarter*                                                **July 2024 - September 2024**
- Collaborated with a team of four through GitHub to develop weekly web projects, utilizing skills including Next.js, Firebase, and the OpenAI API
- Participated in weekly hackathons and zoom meetings, enhancing problem-solving skills and teamwork

## SKILLS

**Proficient in:** Java, C, Python, C++, C#, JavaScript, HTML/CSS, LaTex
**Experienced with:** GML, OCaml, Rust
**Databases:** Firebase, MongoDB, SQL
**Languages:** Native Speaker of Mandarin, Fluent in English