

Ruby Yongjin Cho

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Education

University of Maryland, College of Computer, Mathematical, and Natural Sciences College Park, MD

B.S., Computer Science; Chinese Minor

Expected May 2027

Montgomery College A.S., Computer Science

May 2024

Skills

- **Software:** Java, C++, C, HTML, CSS, JavaScript, UNIX, MATLAB, Excel, Arduino, Fusion 360
- **Languages:** English (fluent), Korean (native), Chinese

Experience

University of Maryland, FIRE Bioinspired Robotics Researcher

June 2025 – July 2025

- Designed and implemented undulating locomotion system for stingray inspired robot
- Collaborated with a research team to solve complex mechanical engineering challenges

Ssong's Hotdog, Kitchen Assistant Manager

Aug 2022 – Aug 2023

- Supervised a team of 3 crew members, maintaining quality standards across both kitchen and front-of-house

GongCha, Barista

June 2021 – Aug 2022

- Mastered preparation techniques for 200+ beverage recipes while sustaining accuracy and consistency in product delivery amid demanding order volumes

Projects

Personal Portfolio Webpage

June 2025 – Present

- rubycho-portfolio-website.pages.dev
- Built a webpage using HTML, CSS, and JavaScript, demonstrating front-end development skills

Digital Content Creation

June 2025 – July 2025

- Scaled a YouTube channel to 8.5M+ views in 30 days with a systematic approach
- Designed and implemented streamlined content production pipeline, optimizing for user retention and interaction patterns

Line Length Validator with Multithreading | C Programming

January 2025 – May 2025

- Developed concurrent file processing program using multithreading to analyze character limits across multiple files simultaneously
- Implemented dynamic memory allocation and thread coordination to efficiently process large datasets

Activities and Affiliations

- Dean's List, Montgomery College (2023-2024)
- Drummer, Global Mission Church Worship Team