

Yuhwan Lee

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EDUCATION

University of Maryland: College Park

College Park, MD

Bachelor of Science in Computer Science

Aug. 2021 – May 2024 (Expected)

- Relevant Coursework: Data Structures, Computer Systems (C/Unix/Assembly), Discrete Mathematics, Linear Algebra

Centennial High School

Ellicott City, MD

Weighted GPA: 4.83

Sept. 2017 – May 2021

- Relevant Coursework: AP Computer Science A, Object Oriented Design, Data Structures, Calculus I & II, Discrete Mathematics, Statistics

PROJECTS

Tutoring Request Manager | *Python, Webhooks, Amazon S3, Discord API*

- Developed a Discord bot to manage incoming tutoring requests for Centennial High School's National Math Honor Society (NMHS), allowing NMHS members to respond to and take tutoring requests.
- Utilized webhooks with Google Forms to receive data in real time, and stored request data utilizing an Amazon AWS S3 bucket.

Social Media Posting Bot | *Amazon EC2, Facebook Graph API, Twitter API, Reddit API, Python*

- Developed a program to take popular posts from Reddit and post them onto various social media platforms.
- Implemented the Reddit API to download images and videos, and used Facebook's and Twitter's APIs to post the downloaded content.
- Utilized an Amazon AWS EC2 Linux instance to host and continuously run the program at regular intervals.

MedNet | *Google Cloud Firestore, Twilio API, Python*

- Developed a web application to connect hospitals with medical suppliers as part of a hackathon team.
- Utilized the Twilio API to allow hospitals to request supplies through text.
- Stored data from Twilio into a Google Cloud Firestore database.
- Worked and collaborated with team members to integrate code into the main project.

EXTRA-CURRICULAR ACTIVITIES

FTC Robotics - Lead Programmer | *Java, OpenCV, TensorFlow*

Sept. 2018 - May 2021

- Organized the code base with strong adherence to object oriented design principles to improve code readability.
- Designated specific roles and tasks to members of the team, making development more efficient.
- Won several team awards (Inspire Award, Connect Award).

Pyoneers - Education Committee | *Python*

Aug. 2020 - May 2021

- Assisted in developing a Python curriculum for students, and created weekly programming questions for students
- Created a Discord Bot to manage and grade submissions for the club-wide programming tournament

WebPoint - Programmer | *HTML, CSS, Bootstrap*

July 2020 - May 2021

- Assisted in the development of multiple websites for local businesses

TECHNICAL SKILLS

Languages: Python, Java, HTML/CSS

Awards: USACO Silver, National AP Scholar, National Merit Commended Student

EXPERIENCE

Math Tutor

Owings Mills, MD

Kumon of Owings Mills

Aug. 2020 – Aug. 2021

- Tutored students in various math topics ranging from Algebra to Calculus