Yuhwan Lee

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EDUCATION

University of Maryland: College Park   College Park, MD
Bachelor of Science in Computer Science and Statistics, GPA: 4.0/4.0   *Aug. 2021 – May 2024 (Expected)*
- Relevant Coursework: Data Structures, Computer Systems (C/Unix/Assembly), Discrete Mathematics, Linear Algebra, Calculus I/II

EXPERIENCE

Incoming Software Engineering Intern   Gaithersburg, MD
Leidos   *June 2022 – Aug. 2022*
- Incoming Summer 2022 Software Engineering Intern for Leidos

Math Tutor   Owings Mills, MD
Kumon of Owings Mills   *Aug. 2020 – Aug. 2021*
- Tutored students in various math topics ranging from Algebra to Calculus

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