Jonathan Nam

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EDUCATION

University of Maryland, College Park   GPA: **3.7/4.0**
B.S. Computer Science | B.A. Linguistics   *Expected Graduation: May 2021*

SKILLS

Proficient: Python, Java, C, SQL, Git Version Control, Android Studio
Familiar: HTML, CSS, JavaScript, React, C#, Ruby, OCaml, R, Node.js

PROGRAMMING EXPERIENCE

Orbit Logic   **Greenbelt, MD**
Software Engineering Intern   *Jan. 2020 – Present*
- Work under direct supervision on STK Scheduler, a schedule optimization and deconfliction engine
- Contribute to weekly sprint planning, complete code reviews, optimize existing code, fix bugs
- Use Agile development methodologies, C#, .NET, CI/CD tools (Jenkins), Git, and other enterprise-level frameworks and tools
- Perform regular unit testing, integration testing, and end-to-end testing

General Dynamics Mission Systems   **Annapolis Junction, MD**
Software Engineering Intern (AI/ML)   *Jun. 2019 – Aug. 2019*
- Created location-based deep learning models to better understand social network behavior
- Worked with Python's Pandas, NumPy, and MatPlotLib modules to clean, manipulate, analyze, and visualize data
- Utilized TensorFlow and Keras Functional API to build and compare various neural network models
- Presented research, designs, and results to Director of Intelligence Threat & Analytic Solutions

PERSONAL PROJECTS

My Web Hub   *Oct. 2019 – Present*
- Developed a blog and website hub to congregate my most frequently viewed websites
- Manage user profiles, posts, and interaction through Django REST framework
- Utilized Python for development and NBC Sports and Reddit API for real-time scores and information

MyNBA   *Sept. 2018 – Sept. 2019*
- Developed mobile application allowing for player tracking in the National Basketball Association
- Maintains up-to-date player information and redirects users to relevant player news
- Implemented custom search and added sorting based on statistical averages
- Utilized Java to write program, Android Studio for application development, and Basketball Reference for data

RELEVANT EXPERIENCE

UMD Department of Computer Science   **College Park, MD**
Teaching Assistant   *Jan. 2020 - Present*
- Teaching assistant for CMSC411 - Computer Architecture
- Hold office hours to guide student learning on CPU basics, speed-up, MIPS assembly, pipelining
- Grade assignments/exams and answer student questions on Piazza

Food Recovery Network at UMD   **College Park, MD**
Food Recovery Leader   *Dec. 2018 – Present*
- Direct 10+ volunteers in weekly food recoveries at UMD's 251 North diner
- Demonstrate proper food packaging technique and record total pounds recovered
- Transport food to the Christian Life Center for further redistribution