Jonathan Nam

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EDUCATION

University of Maryland, College Park   GPA: **3.73/4.0**
B.S. Computer Science | B.A. Linguistics   *Expected Graduation: May 2021*

SKILLS

Proficient: Python, Java, C, SQL, Git Version Control
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
- Perform regular unit testing and engage in test-driven development

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
- Used Python's Pandas, NumPy, and MatPlotLib modules to clean, manipulate, and visualize data
- Utilized TensorFlow and Keras Functional API to design and train various neural network models
- Presented research and results to Director of Intelligence Threat & Analytic Solutions

PERSONAL PROJECTS

BBall Trade Tracker *Find that trade!*   *Oct. 2019 – Present*
- Developed a full-stack web application to gain insight into international basketball transactions
- Used Python's BeautifulSoup and sqlite3 modules to scrape data and populate local trade database
- Utilized Flask web application framework to configure a lightweight local server for fast querying
- Created stateful UI components using React and React Hooks

My Personal Website   *Aug. 2019 – Present*
- Created a personal website from scratch using HTML, CSS, and Javascript
- Uses an original design and contains responsive Javascript elements
- Deploy and host website and automate updates through AWS S3 buckets and AWS CLI

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 100+ pounds of food to the Christian Life Center