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, Kotlin, C, C#, SQL, Git Version Control
Familiar: Gradle, HTML, CSS, JavaScript, React

PROGRAMMING EXPERIENCE

Alarm.com   **Tysons, VA**
Software Engineering Intern (Android Mobile team)   *Jun. 2020 – Aug. 2020*
- Aided in development of Alarm.com's mobile home security app reaching 1,500,000+ end users
- Designed and implemented feature allowing user to override Do Not Disturb for critical events
- Added biometric authentication enabling user login using fingerprint and facial recognition
- Employed Android UI best practices and MVP paradigm to create sleek UIs and easily testable code

Orbit Logic   **Greenbelt, MD**
Software Engineering Intern   *Jan. 2020 – Jun. 2020*
- Worked under direct supervision on STK Scheduler, a space system scheduling engine
- Created RESTful API commands allowing users to retrieve schedule information in JSON format
- Used Agile development methodologies, C#, .NET, CI/CD tools (Jenkins), Git
- Performed regular unit testing and engaged 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

My Personal Website   *jonathannam.com*   *Feb. 2020 - Present*
- Developed a secure and static personal website from scratch
- Utilized HTML, CSS, and Javascript to create a unique design and responsive page elements
- Deployed and hosted website using AWS front end stack (S3, CloudFront, Route 53)

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

RELEVANT EXPERIENCE

UMD Department of Computer Science   **College Park, MD**
Teaching Assistant   *Jan. 2020 – Present*
- Teaching assistant for CMSC411 - Computer Architecture (~200 students)
- Hold office hours, grade assignments, proctor exams, and answer student questions on Piazza

Food Recovery Network at UMD   **College Park, MD**
Food Recovery Leader   *Dec. 2018 – Present*
- Lead 10+ volunteers in weekly food recoveries at UMD's 251 North diner
- Maintain direct contact with diner managers to ensure supply of food packaging material
- Guide drivers in transportation of 200+ pounds of food to Christian Life Center for further redistrbution