



# Jonathan Nam

5105 Kellan Drive, Ellicott City, Maryland 21043

 jonathan-c-nam

 jonathan-nam

 jnam@terpmail.umd.edu

 443-537-5644

## EDUCATION

**University of Maryland, College Park**

*B.S. Computer Science | B.A. Linguistics*

**GPA: 3.73/4.0**

*Expected Graduation: May 2021*

## SKILLS

**Proficient:** Python, Java, C, C#, SQL, Git Version Control

**Familiar:** Kotlin, 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 1,000,000+ 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

**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
- Hold office hours to reinforce course material on CPU basics, MIPS, pipelining, parallelism
- 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 the Christian Life Center for further redistribution