

# Noah Park

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## EDUCATION

**Johns Hopkins University** (Bachelor of Science, Computer Science) Expected May 2025  
Baltimore, MD

- Current GPA: 3.73 of 4.00, Major GPA: 3.82 of 4.00, Dean's List
- Relevant Courses: Parallel Computing, Full-Stack JavaScript (React/NestJS/PostgreSQL), Algorithms, Computer Systems (C/C++/x86 Assembly), Data Structures, Intermediate Programming (C/C++), Java

## WORK EXPERIENCE

**Shure Incorporated** May 2023 - September 2023  
Niles, IL  
*Automated Test Engineering Software Intern*

- Delivered critical bug fixes, process optimizations, and multithreaded enhancements in **C#** for the Automated Testing Department's **.NET** application that processes Visual Basic test code verifying the functionality of Shure's audio products and its printed circuit boards
- Spearheaded the rewrite and overhaul of Automated Test Department's data management website, from **PHP** to **Angular** with **TypeScript**, as well as reconstructing the API connecting to over 20 **Microsoft SQL Server** internal databases
- Analyzed and deployed solutions with operators and associates of Shure's manufacturing facilities in Suzhou, China and Juarez, Mexico to improve user experience of testing tools for non-English speaking users

## PROJECTS

**Quest2Learn** (AR Programmer) May 2022 - January 2023

- Built interactive science labs in an AR setting through **Unity3D**, **Vuforia**, and **C#**
- Led the AR development team of 7 members and assigned tasks to teammates for a brief time to get a lab project done before its deadline to be tested at lab courses under the Chinese University of Hong Kong
- Prepared a written progress report for a presentation to Johns Hopkins staff Anton Dahbura
- Project featured on The Johns Hopkins News-Letter and awarded \$50,000 through the Hopkins Digital Education and Learning Technology Award

**Multi-Threaded Chat Server** (Class Project) April 2023 - May 2023

- Engineered a command-line based messaging server in **C++** using POSIX threads and concurrency concepts such as thread synchronization
- Conducted rigorous testing to ensure no data races of transactions in the networking implementation

**Chess Game** (Class Project) April 2022 - May 2022

- Developed a text-based chess game in **C++** with 2 fellow classmates
- Implemented object-oriented concepts onto chess pieces to enforce rules and game-ending scenarios

**Texture Synthesizer** (Class Project) March 2022

- Produced a program using **C** with 2 fellow classmates. Synthesizer takes in an image and outputs a larger image by expanding on detected textures
- Utilized file I/O, manual memory management, pointers, pointer arithmetic, and other low-level programming concepts

**CoooplBot1000** (Solo Project) August 2020 - February 2021

- Created a **JavaScript** instant messaging moderator tool with mini-games for social platform Discord
- Expanded on features and usability through feedback from a community of over 100 members

## SKILLS

- Angular, C, C++, C#, English (Native), Git (GitHub, TortoiseGit), Google Workspace, HTML/CSS, Java, Jira, Linux, Microsoft Office, Photoshop, PHP, SQL, TypeScript, Unity3D