

# Benjamin Jo

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## EDUCATION

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**University of Maryland**, College Park, MD

**Expected Graduation: May 2026**

Bachelor of Science in Computer Science

Minor in General Business & Technology Entrepreneurship and Corporate Innovation

Organizations: Taiwanese American Student Association; Environment, Technology, Ecology Scholars

## EXPERIENCE

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**Software Engineering Intern**

Gaithersburg, MD

*Westlandon Consulting*

May 2024 – Present

- Migrate company architecture to React and TypeScript to enable for more modern library and infrastructure
- Query, Parse and Consolidate Institutional Education Licenses to a single streamlined SQLite Database for ease of use
- Utilize Python to query for overlapping products enabling for institutions to save upwards of \$1,000

**President**

Washington D.C.

*Young Musicians Inspiring Change*

August 2021 - June 2023

- Effectively communicated upcoming events and requirements to 50+ members to maximize participation and enhance member experience
- Coordinated and led organizational fundraising events in which over \$2,000 was donated to CharityWater and Georgetown Lombardi

**Research Intern**

Rockville, MD

*TALK Youth Leadership*

May 2020 – August 2020

- Attended weekly meetings to collect data to contribute to a final research project about the development of AI in the sports world.
- Compiled and analyzed 5,000 rows of data from 5 experiments on Google Sheets and presented findings to broader team

## PROJECTS

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**Enterprise-Grade Inventory Solution**

June 2024

*Python, SQL*

- Received an accounts payable from an institution through an API and sorted out all of the softwares and licences into a SQL database to present to user
- Detect duplicate purchases and suggested alternative enterprise licenses over the ones currently paid for that would minimize spending

**Battery Meter Assembly Functions**

October 2023

*C, x86-64 Assembly Language*

- Implemented a voltage sensor, a digital display, and an update display function for a microcontroller in a digital battery meter to run in C
- Hand-coded and converted the C functions into x86-64 Assembly Language which allowed users to get a better understanding of computer hardware's relationship with software code

**Web Page Generator**

February 2023

*Java, HTML*

- Developed a set of classes that supported the generation of HTML5 for web pages
- Implemented an Element interface that defines a method that generates the expected HTML for the element

## SKILLS

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- **Relevant Coursework:** Object Oriented Programming, Discrete Structures, Computer Systems, Linear Algebra, Engineering Science, Algorithms, Organization of Computer Languages
- **Programming:** Java, C, Python, C++, HTML, x86-64 Assembly Language, Unix, OCaml, Git, React
- **Software:** Visual Studio, Powerpoint, SQL