Benjamin Jo

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EDUCATION

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

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

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

- **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