

Aidan T. Mascoli

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Objective

Seeking an internship or co-op for the upcoming spring or summer semester. A diverse set of technical, creative, and social skills, as well as my ability to manage many tasks and commitments at a time, set me apart from others.

Education

Georgia Institute of Technology | Atlanta, GA

BS in Computational Media, BS in Computer Engineering, GPA 4.00

August 2024 – Present

Expected Graduation, May 2028

Fairleigh Dickinson University | Teaneck, NJ

Dual Enrollment – Visiting Student, GPA 3.92

September 2021 – May 2023

Skills

Programming: Java, Python, C, C#, C++, HTML, CSS, JavaScript, PHP, SQL, React, Node.js, Django, Unity, DirectX

Platforms: Amazon AWS, Google Cloud Platform, Firebase

Hardware: Arduino, ARM mbed microcontroller, FPGAs, oscilloscope

Software: Altera Quartus II, NI LabVIEW, GitHub, Adobe Creative Cloud (Photoshop, Illustrator, Premiere Pro, After Effects), Ableton Live, Logic Pro X, Microsoft Office (Word, Excel, PowerPoint, Access)

Communication: Leadership reports, production reports, writing research papers/reports, presentations, performance

Languages: English (first), Chinese (beginner)

Experience

Kulite Semiconductor Products | Leonia, NJ

May – July 2022

Medium-sized company designing and producing semiconductor products, such as pressure transducers for aircrafts and automobiles

- Accounted the company's greenhouse gas emissions over 1 year
- Completed a report and documented the process for future calculations
- Worked on improvements to the company's photolithography database

Primoris Academy | Westwood, NJ

July – August 2024

- Individually created, planned, and taught a 2-week summer robotics workshop (specifically for the FIRST Lego League competition) for middle school students

Projects

traverse[cs]

January – July 2022

Founder, Head of Web Development

An organization founded to encourage students to learn all aspects of computer science

- Organized, planned, and executed a computer science competition, attracting over 100 students worldwide
- Received sponsorships from Art of Problem Solving, repl.it, and Wolfram Alpha
- Partnered with other computer science organizations, like the CP initiative
- Designed and implemented the organization's website

DramaTech Theatre

September 2024 – Present

Lighting Designer, Lighting Engineer

- Led the Lighting Department in creating and executing lighting plots for 3 productions
- Experience working with professional lighting fixtures (e.g. ETC, Chauvet) and networking protocols (e.g. RJ-45, artnet)

Leadership

DramaTech Theatre | Atlanta, GA

January 2025 – Present

Secretary – Executive Council, Member – Technical Services Council

- Elected to club leadership position for the 2025-2026 academic year
- Responsibilities include attending leadership meetings and providing reports, taking meeting minutes, running club elections, and managing the organization's slack workspace and website
- Appointed as an intern on another leadership council
- Responsible for general maintenance and upkeep, as well as general non-production improvements such as purchasing and installing new equipment, and general safety and emergency response procedures
- Later promoted to full lifetime membership