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 *August 2024 – Present*
BS in Computational Media, BS in Computer Engineering, GPA 4.00 Expected Graduation, May 2028

Fairleigh Dickinson University | Teaneck, NJ *September 2021 – May 2023*
Dual Enrollment – Visiting Student, GPA 3.92

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 2024*
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 an Executive Council 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 and later promoted to full lifetime membership on the Technical Services 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