Madeleine Cavanagh

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Junior at Marist College spending the second semester in Ireland, eager to secure an internship using the wide range of diverse skills and techniques in Computer Science to drive professional growth and make a meaningful impact in the field.

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Education:

Marist College - Poughkeepsie, NY May 2025
- B.S. Computer Science with a concentration in Software Development
- Minors in IT/IS and Cyber Security with a pathway in Quantitative Studies

Relevant Coursework:
- Intro to Programming, Software Development I + II, Data Communications & Networks, Software Systems and Analysis, Computer Organization and Architecture, Calculus I, Discrete Mathematics, Statistics, Internetworking, System Design, Algorithms Analysis and Design, Database Management, Introduction to Cyber

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Work Experience:

The Learning Experience - Ramsey NJ   May '21 - August '23
Daycare Teacher
- Skilled at adapting communication styles to suit different audiences and situations.
- Strong interpersonal skills, fostering positive relationships with colleagues and clients

Chick-fil-A - Ramsey, NJ
Team Member   *Mar '19 - Dec '20*
- Strong customer relationship management skills
- Collaborated with cross-functional teams to facilitate effective communication and achieve company goals
- Effectively communicated company policies and procedures to new team members

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Leadership Experience:

Girl Gain Clubs Committee Member, Treasurer and Web Developer   Jan '23 - Present
- Oversee financial administration, including financial reporting and procedures
- Proficient in delivering compelling and engaging presentations to diverse audiences

Resident Housing Committee, Treasurer Leo Hall   *Fall '21 - Spring '22*
- Managed financial operations, budgeting, and accurate record-keeping
- Effectively communicated with Residence Hall Association members about events and financial matters
- Successfully organized and hosted engaging college events that created a positive atmosphere.

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Skills & Projects:
- Worked proficiency in using AWS, MySQL, HTML, CSS, and JavaScript for client/server web development
- Developed various sorting algorithms using Java
- Utilized Oracle SQL Developer to effectively create a personalized database and navigated using queries such as multiple layered nested Exist/ In and Join statements.
- Created and navigated through multiple ER diagrams, demonstrating proficiency in database design
- Proficient in UI/UX design skills
- Used Typescript to create a virtualized computer including the CPU, Memory Unit, DRAM, etc.
- Configured routers, switches, and other networking devices using Cisco Packet Tracer
- Built an intuitive user interface college housing application to simplify the difficult process for users
- Executed an attack and defense cyber security home lab using open-source Linux-based operating systems

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Clubs & Activities:
- Marist Club Women's Rugby   Sep '21 - Present
- Group participant and 1st place winner of 2023 spring Hack-a-ton   Mar'23