Joseph L. McDonough

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EDUCATION

- **Marist College** — Poughkeepsie, NY

  Master and Bachelor of Science in Computer Science/Software Development; Major in Cybersecurity; Minor in Information Systems & Information Technology — *Bachelor's Expected December 2021 / Master's Expected December 2022*
  - GPA: 3.94/4.00 (Fall and Spring 2018-2021 Dean's List)
  - Marist Emerging Leaders Certificate Program

- **Seton Hall Preparatory School** — West Orange, NJ

  Graduated Summa Cum Laude — *2014-2018*
  - GPA: 4.67/4.00 (Weighted Scale) (First Honors every trimester)
  - Member of National Honors Society
  - 4-year Knight of Setonia (School's community service group)
  - Member of the freshman and junior varisty soccer teams

WORK AND VOLUNTEER WORK

- **Amazon** — Seattle, WA

  APP Software Development Engineer Intern, Finance Technology — *June - August 2021*
  - Engaged in labs that utilized numerous Amazon Web Services, demonstrated the best practices, and development process at Amazon
  - Plan on designing, creating, documenting, and presenting a project with a UI and some AWS systems to increase quality of life to the product's users and development team

- **BD** — Franklin Lakes, NJ

  Product Security Engineering Team Intern — *May - August 2019*
  - Wrote and presented a user guide for KeePass to an internal pilot group, Chief Risk Officer, and Chief Information Security Officer
  - Wrote and documented scripts using PowerShell to create a KIOSK on BD products, verify the changes, and perform rollbacks
  - Wrote documentation guide on CylancePROTECT including how to implement and install it with best practices
  - Worked and documented scripts to harden the Internet Information Services, verify requirements met, and rollback the changes

- **InfiniteBlu Pool Service** — Kenilworth, NJ

  Retail Store Employee — *June - August 2020*
  - Gained experience with pools, their equipment, parts, and water chemistry to perform water tests and sell necessary products
  - Worked on customer acquisition and retention via raffles and newsletters, along with creating forms for servicing, opening, and closing

- **Camp New Day** — Stroudsburg, PA

  Camp Counselor — *August 2017*
  - Week long camp attended by developmentally delayed adults - learned how to care for and aid them
  - Lived with the developmentally delayed adults and aided them throughout the day with various activities and meals

RELEVANT COURSEWORK AND PROJECTS

- **Software Development and Systems Courses**
  * Modified a physical robot then coded and debugged various algorithms in order to utilize its internal and external sensors to navigate an obstacle course and stop at a given location
  * Created from start to finish a program and documentation to simulate pooled testing results for a infection with custom input
  * Created and documented an add-on programming language to the Racket Programming Language Created and documented a database with several tables and custom data using Oracle's SQL Developer to solidify concepts learned
  * Designed, created, developed, debugged, tested, and documented text based adventure games and various smaller programs in both Python and Java Created a database and website for a lost and found system to report items and for admins to access/modify tables
  * Created and documented databases with websites to view and modify data and tables
  * Designed a student planner iPhone app using InVision
  * Learned fundamental concepts of information technologies and systems in a business environment by producing a case study along with system proposal for a music app

- **Cybersecurity Courses**
  * Learned fundamental concepts of cybersecurity through various interactive labs and a case study of Equifax's 2017 data breach
  * Gained experience with computer forensics tools to investigate and document data of different storage device and file types
  * Learned best practices, requirements, and methods to ensure mobile security and wireless security
  * Learned about the basic of penetration testings and in a virtual environment was able to practice and perform the necessary steps

- **Business Course**
  * Served as Operational Manager of a team designed to create an idea and present a business plan for Sprout Creek Farms

ADDITIONAL INFORMATION

* Programming Experience in Python, Java, HTML, CSS, JavaScript, PHP, SQL, Racket, PowerShell, and Qiskit
* Cybersecurity Tool Experience with EnCase, Forensics Toolkit, Wireshark, Paraben's P2 Commander, Paraben's E3, and RSA NetWitness Investigator
* Experience with multiple different Amazon Web Services
* National Society of Leadership and Success *(Member)*
* Soccer Club of Springfield Travel Soccer 2008-2017 *(Co-Captain)*

REFERENCES

Available upon request