

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 varsity 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
- Designed, created, documented, and presented 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, TypeScript, 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