Jared Rathbun

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EDUCATION

Merrimack College, North Andover, MA · Expected: May 2023
Bachelor of Science in Computer Science · GPA: 3.76
Relevant Courses: Problem Solving with Java, Data Structures, Object Oriented Design, Operating Systems, Programming with Visual Basic, Intro to Computer Science with Java, Precalculus, Discrete Mathematics, Calculus 1, Analysis of Algorithms 1, Network Security 1

TECHNICAL SKILLS

Proficient: Java, HTML, Microsoft Windows, Git (GitHub/GitLab/BitBucket)
Intermediate: CSS, Ubuntu Linux, C, MySQL, Python, REST APIs
Exposure: Arduino, JavaScript, PHP, C++, Windows Server, Static Code Analysis (Checkmarx, SonarQube), Open Source Code Analysis (BlackDuck), Kubernetes, CI/CD Pipelines, Docker, Istio, NGINX, Secure Development Lifecycle

RELEVANT EXPERIENCE

Undergraduate Intern, **Dell Technologies,** Remote · May 2021 – August 2021
- Worked alongside 3 other interns to design and develop solutions to security automation problems.
- Discussed code design and solutions with Software Engineers and Security Engineers.
- Interact with teams from DevOps and discuss using Static Analysis, Open Source, and Code Deployment tools.
- Attend intern events, leadership presentations, and professional development webinars.

Computer Science Tutor, **Merrimack College**, North Andover, MA · February 2021 – Present
- Assist students in developing problem-solving skills.
- Assist students with learning syntax and common programming concepts.
- Provide guidance and advice to students while working on projects.
- Assist students with debugging and error handling.
- Classes Tutored: Problem Solving with Java, Data Structures, Object Oriented Design

Print and Marketing Solution Advisor, **Staples,** Danvers, MA · December 2020 – May 2021
- Assisted and designed materials for customer advertising needs.
- Supported customers with basic self-serve printing and assisted with shipping needs through a UPS shipping center.
- Photoshopped images for marketing documents and performed basic edits on customer originals.
- Communicated with Design Services Team to help create custom graphics.

Selling Solution Advisor, **Staples**, Danvers, MA · December 2019 – December 2020
- Employee of The Month, Excellent Customer Service, June 2020
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- Assist customers with printer and laptop sales and provide any necessary ink.
- Repair cell phones and assist customers on peripheral/home networking needs.
- Provide technical support to employees and customers.

Print and Marketing Solution Advisor, **Staples,** Danvers, MA · August 2019 – December 2019
- Assisted and designed materials for customer advertising needs.
- Supported customers with basic self-serve printing and assisted with shipping needs through a UPS shipping center.
- Photoshopped images for marketing documents and performed basic edits on customer originals.
- Communicated with Design Services Team to help create custom graphics.

Computer Science Lab Administrator, **Merrimack College,** North Andover, MA · September 2019 – May 2020
- Updated and performed maintenance requests on the Linux Computers, running a Fedora Distribution. This also included consulting with all four of the department's professors to make sure the updates were done to their classes' and research needs.

IT Help Desk Worker, **Peabody Veterans Memorial High School**, Peabody, MA · September 2018 – May 2019
- Completed introductory Computer Science courses in high school; spent one class per day in the library, working for the IT Help Desk.
- This class included diagnosing and fixing Chromebooks, assisting teachers with tech-related questions, and assisting with server malfunctions.

PROJECTS

Security Review Artifact Generator, **Dell Technologies**   May 2021 – August 2021

- Worked alongside three other interns to design a tool which pulls reports from static code analysis and open source code analysis tools such as SonarQube, Checkmarx, BlackDuck and Prisma to provide a security posture for a given microservice to Dell's security team. Using REST APIs, reports and threat models are pulled, analyzed, and uploaded to an interactive website where both Security and Software Engineers can analyze findings so that manual interaction is reduced.

ChatterBox, **Network Security 1**   Spring 2021

- Worked with two classmates to design and implement an encrypted chatting client. Relevant ciphers such as RSA and AES were used; along with cryptographic methods such as Diffie-Hellman Key Exchanges and Hybrid Encryption. Users could register an account and authenticate themselves to the server via 2-Factor Authentication. Once logged into the server, all users could send messages encrypted via an ephemeral key.

AmpSettingz, **Object Oriented Design**   Fall 2020

- Worked alongside two other classmates to design a final project which implemented the Object Oriented Paradigm, as well as common Object Oriented Design techniques such as patterns and graphical user interfaces. Implemented the use of MySQL, File Input/Output, and Java's Swing Library, using HTML for some tasks. The program allowed a user to insert guitar amplifier settings into a database which could be edited, removed, and exported to a text file.

VOLUNTEER

Classroom Volunteer, **Brown School**, Peabody, MA   Spring 2018

- Spent time with non-verbal students helping with classwork and extracurricular activities; played guitar for the students.

EXTRACURRICULAR ACTIVITIES

Computer Club, **Merrimack College**   Fall 2019 – Present

- Joined the Merrimack College Computer Club (formerly known as the Merrimack ACM Chapter) to grow skills and learn more about different branches of the Computer Science and the field.