

MAEVE NEWMAN

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EDUCATION

University of Massachusetts, Amherst Commonwealth Honors College | B.S. in Computer Science Expected May 2021

- **GPA: 3.80/4.00**, Dean's List all semesters
- Minor: Spanish, Certificate: Criminal Justice
- CyberCorps: Scholarship for Service (SFS) recipient
- ACM Cybersecurity Club, UMass Women in Computer Science, WMUA 91.1 FM

Relevant Coursework: Data Structures, Algorithms, Operating Systems, Software Engineering, Project Management, Computer and Network Security, Programming Methodology, Digital Forensics, Computer Crime Law, Criminology

Universidad de Salamanca | Spanish Language Summer Intensive Jun. 2018 - Jul. 2018
Language-intensive courses in literature, history and grammar. Conducted in Spanish.

SKILLS AND QUALIFICATIONS

Programming Languages: Python, Java, SQL, C/C#/C++, JavaScript, HTML/CSS, Typescript

Software/Frameworks: AWS (Amazon Web Services), SQL Management Server, Visual Studio, Microsoft Report Builder, React, GitHub

Clearances: Interim Secret (Approved April 2020), Secret (Approved July 2020)

EMPLOYMENT EXPERIENCE

Summer Associate (Information Technology & Software Development) Jun. 2020 - Aug. 2020

Institute for Defense Analyses | Remote/Alexandria, VA

- Served as only summer associate for IT and Software Development at IDA, a federally funded research and development center
- Created two MVC ASP.NET web applications to replace two outdated MIS pages written in Classic ASP
- Improved several internal reports using Microsoft Report Builder and SQL Management Server
- Worked on IDA's Tier 1 and Tier 2 help desk to resolve tickets for IDA employees and contractors working remotely
- Delivered formal report to division directors and associates cataloging summer experience and improvement processes

E-Court Conversion Specialist Jun. 2019 - Jul. 2019

New Hampshire Judicial Branch | Manchester, NH

- Converted paper case files into an electronic interface for four New Hampshire courthouses
- Managed and maintained thousands of confidential case files in Odyssey, the court's electronic system
- Communicated with legal clerks and project leaders before the system launch in August 2019

Office Assistant May 2017 - Aug. 2017; 2018

New Hampshire Public Defender | Concord, NH

- Served as Culling Team Leader in Summer 2018 and supervised a team of four employees
- Condensed closed case filing system in eight different offices across the state
- Managed individual project to move homicide files into defenderData, an electronic case management system

Reserves Student Assistant Sep. 2017 - Aug. 2019

University of Massachusetts Libraries | Amherst, MA

- Performed data entry with library's computer software to put items on reserve for classes
- Aided students, professors, and teachers when accessing class materials

PROGRAMMING PROJECTS

Ethical Quandary Simulator Aug. 2020 - Present

Project Manager | Remote/Amherst, MA

Educational tool that allows professors to design and present an ethical dilemma in a "choose-your-own-adventure" style to their students and receive feedback.

- Oversaw the work of ~60 software engineers during the design and implementation of a full-stack application for use by course staff
- Mentored two teams of 6-7 student developers and provided general guidance in design, conflict resolution, and task delegation

ReachOUT Jan. 2020 - May 2020

Software Engineer (Lambda Team) | Amherst, MA github.com/cicscareers/320-S20-Track1

Career development website to match students with alumni and professional advisors, schedule appointments, and allow administrators to track analytics.

- Collaborated with ~25 other students to develop and demo an end-to-end product for UMass CICS Career Services
- Used Python and SQL to develop AWS backend with Lambdas
- Configured a REST API on API Gateway to integrate database with the frontend
- ReachOUT has since been continued as an open source project and will be going into beta for use in Fall 2020