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## Education

**University of Massachusetts Amherst**

Amherst, MA

**Commonwealth Honors College**

*Bachelor of Science degree in Computer Science and Economics*

May, 2019

**GPA:** 3.629/4

*Relevant Courses:* Data Structures, Introduction to Algorithms, Software Engineering, Artificial Intelligence, Computer Systems Principles, Reasoning Under Uncertainty, Programming Methodology, Introduction to Computation, Linear Algebra

## Skills

*Proficient:* Java, C, Python, SQL, VBA

*Prior Experience:* HTML, CSS, XML, Mathematica, Minitab

## Experience

**ISO New England**

Windsor, CT

*Operations Performance Training and Integration Intern*

June 2017- Present

- Designed and built programs which generated structured and formatted reports summarizing major events that occurred on the grid using XML and Oracle Databases
- Analyzed large data sets using SQL to determine non-performance of renewable energy sources and reported findings in structured memo to upper management
- Developed web-scraper to measure impacts of power outages across New England

**Young Entrepreneurs Across America**

Bridgewater, MA

*Student Painters Branch Manager*

January 2016- August 2016

- Managed and set expectations with a team that produced \$70,000 in revenue in under 4 months
- Recruited, interviewed and hired employees while making decisions if employees were working effectively
- Handled customer relations, analyzed feedback and ensured that only excellent and very good ratings were received

## Projects

**Cryptocurrency Value Checker**

- Developed a multi-class Python program which allows users to create accounts and instantaneously receive reports detailing any gains or losses across their cryptocurrency portfolio
- Bypassed two step verification process using the Coinbase API saving time and saving the user from actually logging in
- Implemented SMTP Library to support option for users to receive daily reports of gains or losses via email

**Markov Music**

- Wrote web-scraper to parse musical notes from guitar tabs and write them to a spreadsheet
- Developed program to generate songs of varying lengths based on probability of notes using Markov Chain

## Activities

**University of Massachusetts ACM Cyber Security Club**

January 2017- Present

*Club Officer*

- Worked in team environment to plan and schedule tech talks involving cyber security for the club

**University of Massachusetts Investment Club**

January 2016 - Present

- Team member at first annual investment conference in Boston attracting the biggest schools in New England