Current Address
10 Belchertown Road Unit 22
Amherst, MA 01002

Stephen Ulich
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Other Address
31 Downey Road
Brockton, MA 02302

Education

University of Massachusetts Amherst — Amherst, MA

Commonwealth Honors College

Bachelor of Science degree in Computer Science and Economics — *May, 2019*

GPA: 3.633/4

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

Skills

Proficient: Python, Java, HTML, Javascript, SQL, VBA

Prior Experience: C, XML, Mathematica, Minitab

Experience

Viasat Inc. — Marlborough, MA
Software Engineering Intern — *May 2018-August 2018*
- Worked on Cloud Engineering team to develop and deploy production-ready, full stack web application to AWS which rendered audit logs stored in Postegres database for intuitive searching and viewing
- Implemented application using AngularJs, HTML and Python using Bootstrap and Django frameworks
- Designed and implemented analytic functions to identify relevant patterns of authentication

ISO New England — Windsor, CT
Operations Performance Training and Integration Intern — *June 2017-December 2017*
- Designed and wrote programs which generated structured and formatted reports summarizing major events that occurred on the electrical 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 measuring employee performance
- Handled customer relations and ensured only excellent and very good ratings were received

Projects

Cryptocurrency Value Checker
- Designed and 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 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 CSV file
- Developed program to generate songs of varying lengths based on probability of notes using Markov Chain

Activities

Hack UMass V — *November 2017*
- Worked with team to build and program a RaspberryPi powered robot in 37 hours
- Developed code which allowed robot to be voice controlled through mobile device over TCP connection