

Colton Choquette

978-844-7819

ColtonChoq@gmail.com

Website:

Education

University of Massachusetts Lowell - Lowell, MA

Bachelor of Science, Computer Science

Anticipated Graduation: May 2023

Minor: *Mathematics*

Honors: John and Abigail Adams Scholarship, Alpha Lambda Delta National Honor Society

GPA: 3.71

Relevant Coursework: Computing I & II (C), Computing III & IV (C++), Assembly Language Programing, Intro. to Cyber Security, Computer Architecture, Introduction to Malware Analysis, Operating Systems, Discrete Structures, Logic Design, Probability and Statistics, Calculus I-III, GUI I

Skills

Programming Languages: C, C++, Python, SQL, HTML, CSS, Javascript

Operating Systems: Windows 7/8/10, Linux

Development Software: Visual Studio 2019 Community, Vim, MySQL, Oracle SQL Developer

Other: Some experience in Java, and x86

Projects

- **Binary Bomb (x86)** **Fall Semester 2020**
 - Given an x86 program with six phases that requires a secret input. Used GDB to explore the code of the program and decipher the secret input without exploding the bomb with a wrong input.
- **Secure File Transfer (Python)** **Fall Semester 2021**
 - Similar to apple's airdrop the focus of this project was to use TCP and UDP connections over a local network to securely transfer a file from one registered user to another using modern cryptographic security techniques including pretty good privacy (synchronous and asynchronous encryption)
- **Other Projects** **Fall 2019 – Fall 2022**
 - Various computing projects that demonstrate basic computer science principles including encapsulation, class hierarchy and inheritance, polymorphism, copy control, operator overloading, dynamic memory management, and templates all leading to object-oriented programming
 - See Website: for portfolio of programming projects

Professional Work Experience

- **mPower Innovations - Data Collection** **May 17 - Aug 25 2021 | Taunton MA**
 - Worked throughout the summer taking measurements and collecting data for a software company virtually mapping and representing assets in the field using SQL databases and GIS software
- **Rapscallion Table and Tap – Waiter/Busser/Bar tender** **Sept. 2017 – May 2019 | Acton, MA**
 - Hired as a part-time bus boy and promoted to a waiter/bartender after one year.
 - Experience in customer service and interpersonal skills.
- **TJS Lawn and Landscape – Landscaper/Hardscaper** **May 2019 – Sept 2020 | Tiverton RI**
 - Hired as a full-time landscaper/hardscaper over the summers between semesters.

Volunteer Work Experience

- **Camp Ker-Anna – Camp Counselor** **July 2014 – TBD | Cumberland, RI**
 - Volunteer one week out of each summer at a camp for underprivileged children.
- **Volunteer Abroad with Maximo Nivel – Construction Volunteer** **July 2018 – Sept 2018 | Cusco, Peru**
 - Lived and worked in Cusco, Peru for three months constructing and maintaining orphanages and schools.