Colton Choquette   978-844-7819

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Website: https://colechoq.github.io/Portfolio/index.html

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**: 3.72

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, GUI II, Cloud Computing.

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: AWS Cloud Computing services: (EC2, S3, RDS, DynamoDB, etc), 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 o   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** o 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** o Lived and worked in Cusco, Peru for three months constructing and maintaining orphanages and schools.