Brian Horner

bhorner@suffolk.edu · (603)767-9051 · https://github.com/Brian-T-Horner

Education

Northeastern University — Boston, MA
Masters of Science in Computer Science — September 2022 -

BU-Metropolitan — Boston, MA
Undergraduate Certificate in Computer Science *GPA: 3.85* — June 2021 - June 2022

Suffolk University — Boston, MA
Bachelor of Science in Government & History *GPA: 3.2* — September 2014 - January 2019

Work Experience

Dunning, Kirrane, McNichols & Garner, LLP — Mashpee, MA
Paralegal — September, 2020 - Present

- Works as a paralegal drafting and organizing legal documents for residential and commercial real estate conveyance. Communicates and advises clients and lenders for successful transactions. Performs a variety of legal tasks by attorney request.

Earl's Kitchen & Bar — Boston, MA
Server — February 2020 - September 2020

- Provided fine dining service for a busy restaurant in the Prudential Center. Focused on knowledge of the menu, swift service, and personal interaction, resulting in an outstanding customer experience. Closing duties after short time in the position.

Law Office of Iannella & Mummolo — Boston, MA
Paralegal — February 2019 - February 2020

- Worked as a paralegal, communicating, advising, and updating clients. Requested, processed and submitted medical records. Composed legal documents upon request for attorneys.

Bacco Ristorante & Bar — Boston, MA
Server & Bartender — September 2016 - June 2020

- Provided fine dining service in a restaurant of contemporary elegance. Primary focus on perfection of presentation, interaction, and satisfaction of customers as a waiter. Adapted to bartender, food runner, and host roles to fill in where needed.

Technical Skills

Languages:	C++, Python, R
Tool & Libraries:	Git, Pandas, Juypter Notebook, Numpy, SKLearn, BeautifulSoup4, SFML

Projects

Formula 1 Mean Tire Predictor *Python, SKLearn, Pandas*
https://github.com/BrianHorner-School-Work/CS677_Project
Used Python, Pandas dataframes and SKLearn machine learning algorithms including Random Forest, SVM, KNeighbors and Decision Tree to predict the mean number of tires that in a Formula 1 Race weekend given a number of features that are commonly varied such as weather conditions, Pirelli weekend tire allocation, number of laps under a safety car, etc.

MIPS Instruction Disassembler *C++, Hexadecimal & Binary, Bitwise ANDS & Shifts*
https://github.com/BrianHorner-School-Work/CS472-Project1
A partial disassembler for MIPS instructions. Takes inputs of 32-bit machine instructions that a compiler or assembler produces and uses bitwise ands & shifts to produce the MIPS instructions that the compiler would use to create the 32-bit machine instructions and outp

Data Structures and Algorithms Collection *C++, Python, Analysis of Algorithms*
https://github.com/Brian-T-Horner/DataStructures_and_Algorithms
A collection of Data Structures and Algorithms, in C++ and Python, with their time and space complexities.

Cache Simulation *C++, Hexadecimal & Binary, Bitwise ANDS & Shifts*
https://github.com/BrianHorner-School-Work/CS472-Project_2
A software simulation of a cache memory subsystem using 16 byte word size, 16 slots and 2k main memory.