Brian Horner

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Avaliable: Avaliable for Summer 2023

EDUCATION

Northeastern University, Boston, MA   Expected May 2023
Khoury College of Computer Sciences
Candidate for a Master of Science in Computer Science
Related courses: Programming Design Paradigm, Algorithms, Intensive Computer Systems

BU-Metropolitan, Boston, MA   June 2022
Undergraduate Certificate in Computer Science, 3.85
Related courses: Computer Architecture, Data Science with Python, Data Structures with C++
- Achieved highest class marks for Data Structures with C++.

Suffolk University, Boston, MA   January 2019
Bachelor of Science in Government & History, GPA: 3.2
Related courses: Government Statistics, Programming for Engineers

TECHNICAL KNOWLEDGE

Languages: C++, Python, C, Assembly Languages, and Java.
Tools & Libraries: Git, Github, Juypter Notebook, BeautifulSoup4, SkLearn, Unix Systems and GDB.

WORK EXPERIENCE

Dunning, Kirrane, McNichols & Garner, LLP, Mashpee, MA   September 2020 - October 2022
Paralegal
- Improved drafting and coordinate of 20+ commercial real estate transactions with an emphasis on perfection and deadline-driven results to increase efficiency and satisfaction from lenders increasing number of loans given to firm.

Bacco Ristorante & Bar, Boston, MA   September 2016 - June 2020
Server & Bartender
- Provided fine dining service in a restaurant of contemporary elegance and developed skills in presentation, interaction, tenacious work ethic and satisfaction of 100 + customers a shift as a waiter to become indispensable.

Law Office of Iannella & Mummolo, Boston, MA   February 2019 - February 2020
Paralegal
- Collaborated with team of paralegals to guide 60+ clients a month to applications and hearings for social security disability benefits.

PROJECTS

University of Victoria/Northeastern University, Research Project on Semantic   January 2023 - Present
Segmentation of 3D Point Clouds
- Conducted research and literature reviews of 20+ papers in order to identify new techniques to improve semantic segmentation of 3D Point Clouds.
- Collaborated with group of 10+ researchers and faculty from University of Victoria and Northeastern toward presentation and publication of novel ideas in research space for Canda AI Conference 2023.

BU-Metropolitan/Computer Architecture, MIPS Instruction Disassembler   March 2022 - April 2022
- Created a partial disassembler for MIPS instructions in C++. Program takes in inputs of 32-bit machine instructions and uses bitwise ANDS & shifts to produce MIPS instructions in a readable format for user.

BU-Metropolitan/Data Science with Python, Formula 1 Mean Tire Predictor   June 2021 - August 2021
- Developed and tested a Formula 1 Mean Tire Predictor for race weekends with Python, Pandas, and SKLearn machine learning algorithms including Random Forest, SVM, KNeighbors and Decision Trees.
- Cleaned and collated data from three different data sets included features are commonly varied in a weekend including weather conditions, Pirelli weekend tire allocation , number of laps under safety care, etc.