

Will Dufault

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EDUCATION

Worcester Polytechnic Institute (WPI), Worcester, MA
Bachelor of Science in Computer Science, GPA 3.92/4.0

May 2024

Lincoln-Sudbury Regional High School (LSRHS), Sudbury, MA
High School Diploma, GPA 3.7/4.0

Jun. 2020

Related Courses:

- Software Engineering*
- Algorithms
- Database Systems I*
- Intro to Machine Organization and Assembly Language
- Operating Systems
- Introduction to Artificial Intelligence*
- Social Implications of Information Processing*
- Modeling and Data Analysis

* To be completed by May 2023

EXPERIENCE

Paint Sales Associate, Home Depot, Worcester, MA

May 2022 - Oct. 2022

- Responsible for taking customers' orders, finding bases, mixing, and shaking paint.
- Help customers with any questions or requests, regardless of their relation to paint.

Independent Landscaper, Sudbury, MA

Jun. 2019 - Aug. 2021

- Contacted customers and coordinated jobs.
- Maintained customer relationships across multiple years and had many repeat customers.

PROJECTS

(More projects available at github.com/wduf)

NFL Combine Draft Predictor

- Using Python, three others and I created and trained multiple machine learning models to predict what round players would be drafted based on their NFL Combine performances.
- Tested multiple different models, including linear regression, random forest regression, and k-nearest neighbors combined with principal component analysis and a grid search.

Connect Four with Smart Bot

- Created a version of Connect Four that runs in the Windows terminal.
- Player has the option to play against another person or a smart bot.
- For every legal column, bot calculates a score based on the adjacent pieces and streaks, then chooses the move with the highest score or selects one at random if there is a tie.

SKILLS

Programming Languages: C, C++, Java, Python, JavaScript, HTML, CSS

Applications: Visual Studio Code, Visual Studio, Microsoft Office, Google Workspace

Tools: GDB, Valgrind, Git

ACHIEVEMENTS

Dean's List, WPI

Aug. 2020 - Present

Dean's List, LSRHS

Sep. 2016 - Jun. 2020