

William Smith

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<https://github.com/williamsmith5683>

Experience:

High School Computer Science Senior Year Project, January-April 2018

For the my senior project in high school, I met with a manager at Adam's Tennis Complex(ATC), a local tennis court and pro shop. He requested I create a program that ATC could use in their pro shop to replace their old pen and paper item tracking. I used three ArrayLists to store information on each item including price, number in stock, item number, name in store, etc. The program was text based and had file IO to save changes.

Programming Intern at Greater Nashville Regional Council (GNRC), June-September 2018

As a single intern at GNRC, I created a Java program that took a PDF file and parsed the individual question fields. It took the answer to each question and appended those answers to a specific column in a Excel spreadsheet. I was in the process of creating a subprogram to display data from the Excel sheet as graphs and charts. Java Swing and Apache PDFBox were both heavily used.

Neural Networks Final Group Project, January-April 2020

For our final project for the Neural Networks course, the group I was a part of decided to make a convolutional neural network that could determine if a parking space was taken by a vehicle. We used Keras/Tensorflow to construct the network. The network ended with roughly a 95% accuracy.

Other Experience:

- McDonald's, Crew Member, June 2016-November 2017
- Metro Diner, Line Cook, Febuary-June 2019
- Nick's Pizza and Pasta, Server, June-December 2019
- Slim Chickens, Crew Member, September 2020-April 2021

Skills:

Languages:

Java, Python, C++, R, x86

Software and Tools:

Eclipse, Visual Studio, Anaconda Navigator, Pandas, Numpy, Keras/Tensorflow, JavaFX,

Soft Skills:

Communication, Email Etiquette, Teamwork, Flexibility, Problem Solving

Math Skills:

Binary Math, Calculus, Advanced Statistics, Linear Algebra, Discrete Mathematics

Education:

BS in Computer Science with a minor in Mathematics, Middle Tennessee State University, May 2021

References:

Dr. Joshua Phillips, Associate Professor at MTSU

Mr. Samuel Williams, Colleague/Mentor at GNRC

Reference Letters are available upon request