Ryan Gann

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Education

University of North Alabama, Florence, AL
BS Computer Science Major, Mathematics Minor, May 2021

Bevill State Community College, Hamilton, AL
AS Business Administration

Technical Skills

- Machine Learning: **Python with NumPy and Pandas**
- Languages: **C++, C, Python, Java, SQL**
- Programming Technologies, front end: **HTML/CSS, LaTeX**
- Version Control: **Git, GitHub**

Research

SLC6A1 Gene Mutations: Comparison of R417H and R419H, Spring 2020

To help further research of gene SLC6A1, undergraduates and scientists from the University of North Alabama, Jacksonville State University, and the Prokop Lab at Michigan State University took on a crowd sourcing approach to analyzing mutations of SLC6A1.

Stock Market Analysis and Price Prediction, Fall 2020

My project of choice for CS 470, Artificial Intelligence w/ Python, was to attempt price prediction and stock market data analysis using a variety of AI models. This project taught me a lot about time series analysis, and how certain AI algorithms work.

Scala Programming Language, Spring 2020

For my university programming languages course, we picked a programming language and a research question to work on for the term. I chose Scala and explored the functional and object-oriented features of the language.

Activities

- Member of UNAs ACM Chapter
- Competed in a Lipscomb University Programming Competition

Projects

Scanner, Fall 2019

As part of learning how compilers work, I built a simple version of a lexical scanner. The scanner reads in txt files of FORTRAN-like programs. The keywords and symbols for this FORTRAN-like language are known so as they are read in from the txt file, they are tokenized. Written in C. github.com/RyanGann/Lexical-Scanner

Personal Website, Summer 2019

      I worked on a personal website to both showcase my resume, and to learn some simple web development. This project included learning HTML, CSS, some JavaScript, and website deployment. You can find my website here: ryangann.com