

School Address

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Saul Lynn

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Education

Missouri S&T

Bachelor of Science in **Computer Science**Bachelor of Science in **History**

Dec 2022

GPA: 3.6/4.0**Interests**

Evolutionary algorithms

Data mining

Game development

Cryptography

UI development

Digital forensics

Technical Expertise**Software Development:** C++, C#, Python (pandas, pygame), Javascript (React, React Native, Node.js), SQL, LISP, HTML, CSS, bash, git, AGILE**Software:** Linux, GitHub, MySQL, SQLite, VS Code, Visual Studio, Weka (KD-Tree, CART, PRISM, DBSCAN, SVM, others), Adobe Suite, Unity**Leadership Experience**

Residential Life (Hall Association Exec Board, Resident Assistant, Senior RA)

Jan. 2018-May 2020

- Managed student events from idea stages to development, execution, and evaluation
- Worked successfully on tight budgets to create events that excelled in Residential Life
- Set team standards such as respect, creative thinking, and open communication
- Handled day to day tasks such as meeting notes, presentations, and supervisor reports
- Team won Hall Association of the Year and Educational Program of the Year for our work

Projects

Evolutionary Keyboard Layout Generator

- Utilized an evolutionary algorithm to create a more efficient keyboard layout
- Assisted in the development of individual evaluation parameters
- Implemented individual mutation and pair recombination operations
- Tuned the algorithm to produce a layout more efficient than Dvorak

Data Mining Group Project

- Cleaned data set using python and pydata's pandas library
- Utilized Weka software to implement data mining algorithms including KD-Tree and CART
- Explored statistically significant relationships between decision attributes and other attributes
- Created a report that included code documentation of the process and analysis of which algorithms were most accurate for the dataset

Psychology Scales Assessment Tool

- Built a framework to digitize psychology surveys and automate scoring
- Imported questions from psychology surveys
- Developed a simple command line UI

Awards and Honors

Magna Cum Laude

Missouri S&T Outer Campus Housing Association Student Staff of the Year

Hall Association of the Year and Educational Program of the Year

Missouri S&T Dean's List

Residential Life Hall of Fame