

JAMES LYONS

EDUCATION

STANFORD UNIVERSITY | BS in Comp Sci

Graduated January 2019

Cum. GPA 3.0 / 4.0

COURSEWORK

Object-Oriented System Design

Data Visualization

Human-Computer Interaction

Multivariable Calculus

Statistics

LINKS

github.com/jlyons6100

linkedin.com/in/jameslyons6100/

SKILLS

PROGRAMMING

Python

HTML

CSS

JavaScript

Java

TECHNOLOGIES

Git

CONTACT INFO

CELL

757 - 254 - 5186

Email

jlyons61@alumni.stanford.edu

EXPERIENCE/ PROJECTS

PERSONAL PROJECT | Software Engineer

May 2019 – June 2019 | Yorktown, VA

- Used Machine Learning algorithms to predict price trends for 6,000 items in a video game stock market
- Predicted whether the prices will increase in the next n days based on the previous m days
- Used 6 models: LR, LDA, KNN, Decision Tree Classifier, Gaussian NB
- Achieved ~85-90% accuracy for 1-3 day predictions and ~70-75% accuracy for 4-7 day predictions

STANFORD UNIVERSITY | Software Engineer

Feb 2018 – June 2018 | Stanford, CA

- Worked in a team of 5 to create a fully functional Smart-Mirror in 10 weeks
- Planned Weather, News Feed, and Calendar widgets using data visualization principles (Color Encoding)
- Implemented widgets using HTML, CSS, JavaScript

STANFORD UNIVERSITY | Research Assistant

December 2017 – January 2019 | Stanford, CA

- Investigated the role of physical conditions in structuring inequality in the U.S. (mental health, physical health)
- Created 3 surveys on Amazon Mechanical Turk using HTML, CSS, JavaScript, and Python
- Gathered 129,000 data points from 100 individuals
- Binary and Ternary Image Classification algorithms trained using the data were 70-80% accurate

STANFORD UNIVERSITY | Software Engineer

September 2017 – December 2017 | Stanford, CA

- Worked for 10 weeks in a team of 3 to develop a Virtual Shopping Assistant App
- Created Hi-fidelity prototype Using Java, XML, Android Studio
- Presented finished project to 200+ people