Jessica Lau

Austin, TX 78729 || (512) 914-8029 || jessicacylau@gmail.com || jessicacylau.github.io

Education

January 2021 – December 2022, *The University of Texas at Austin*

- MSc, Data Science
- *GPA*: 3.67

August 2016 – May 2020, *The University of Texas at Austin*

- BSA, Neuroscience & Computer Science
- *GPA*: 3.51

Work Experience

August 2018 – Present, *Research Engineering / Scientist Assistant at the University of Texas at Austin*

- collect behavioral data in rodents to better understand the effects of exercise on drug addiction and rehabilitation
- collaborate with the leading professor to order new equipment and assemble new setups to increase data collection efficiency and expand the lab
- record, analyze and visualize data in Prism and Excel using Med Associates programs
- perform electrophysiology and record neurons from mice brain splices

Skills

Programming Languages: R, Python, JavaScript, HTML, CSS, Swift, SQL, Git

Languages: English (*native*), Cantonese (*conversational*)

Tools: RStudio, XCode, GitHub, Processing, Jupyter Lab, Prism, PyTorch, SciPy, MySQL

Data Science Skills: machine learning, natural language processing, regression, probability and statistics, deep learning, data structures and algorithms, data visualization, causal inference, web development, mobile app development

Neuroscience Skills: electrophysiology, biostatistics, neuroscience data analysis, research

Projects

Spring 2019, *Elementum*

- created a 2D puzzle platformer game with art, multiple character mechanics, music, and unique level designs in Phaser (*JavaScript, HTML*)