# JUSTIN **BROWN**

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## Summary

Skilled AI/ML Engineer with a strong background in programming and mathematics. Experienced in exploratory data analysis, statistics, linear algebra, data cleaning, optimizing machine learning models, and evaluating through various metrics. Motivated to collaborate with team members and optimize systems to meet specifications. Proficient in presenting data/concepts clearly and creatively.

## Skills

- Numpy, Pandas
- Scikit-Learn, Keras
- Tensorflow, Pytorch
- Matplotlib, Seaborn

- Python
- MatLab
- C++ / Java
- HTML/CSS

- Git version control
- Unix
- Jupyter Notebooks
- SQL

## Experience

**Lab Technician**                                                                   **12/2020 to Present**
**FSU Department of Biology (Bangi Lab)**                                    **Tallahassee, FL**
- Performed exploratory analysis on tumor growth data, provided crucial insight for efficient induction procedures for upcoming experiments.

**Software Developer**                                                              **08/2018 to 03/2020**
**FSU Program in Neuroscience (Vincis Lab)**                                 **Tallahassee, FL**
- Utilized MATLAB and Python to program neuroscience software for controlling experiments.
- Implemented deep learning models to estimate pupil dilation, reduced the need for other costly methods for collecting neural activity.
- Worked with Principle Investigator to plan, code, and present projects from start to finish.
- Modified lab website to update profiles and implement different API's.

## Certifications

- **IBM. AI Engineering Professional (IBM)**                                      **2020**
- **Advanced Machine Learning and Signal Processing**                     **2020**
- **Python Data Structures**                                                           **2020**

## Education

**Computer Science, Physics, Mathematics**                                    **2015-2019**
Florida State University                                                                Tallahassee, FL

**High School Diploma**                                                                      **2015**
Suncoast Community High School                                              Riviera Beach, FL
- Completed professional development of Android Applications in Java

## Extracurricular Activities

**FSU Cell and Molecular Biology Graduate Student Association**          **April 2020**
- Developed and Led presentation: "Intro to Neural Networks: Machine Learning with Python".
- Explained process of a neural network and demonstrated the A.I. using a self-made game.

**Kaggle**                                                                                       **2020-21**
- Submitted machine learning solutions to complex data science projects.

**TechNole**                                                                              **2017 to 2018**
- Competed in MLH (Major League Hacking) competitions at FSU and Georgia Tech.