JUSTIN BROWN

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Summary

Software Engineer with a background in math, physics, and statistics, with a focus in data science/machine learning applications and experience with cloud architecture.

Skills

- Python
- C++ / Java
- HTML/CSS
- AWS Cloud

- Jupyter Notebooks
- NumPy, Pandas
- Scikit-Learn
- Matplotlib, Seaborn

- Git version control
- MatLab
- SQL
- Unix

Experience

Lab Technician   **12/2020 to Present**
FSU Department of Biology (Bangi Lab)   **Tallahassee, FL**
- Performed exploratory data analysis on fly tumor growth.
- 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 Principal Investigator to plan, code, and present projects from start to finish.
- Improved lab website with lab member profiles and implemented Twitter API.

Certifications

- **AWS Certified Solutions Architect – Associate (Amazon)**   **2022**
- **IBM A.I. Engineering Professional (Coursera)**   **2020**
- **Advanced Machine Learning and Signal Processing (Coursera)**   **2020**
- **Python Data Structures (Coursera)**   **2020**

Education

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

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

Extracurricular Activities

FSU Cell and Molecular Biology Graduate Student Association   **2020**
- Presented self-developed content: "Intro to Neural Networks: Machine Learning with Python"
  - neural networks 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 Major League Hacking competitions: HackFSU and HackGT (Georgia Tech)