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DAVID HUANGAL

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Github:
github.com/davidhuangal

FOCUS: MACHINE LEARNING

EDUCATION

Columbia, MO — **University of Missouri** — **Fall 2016 – May 2020**

Bachelor of Science in Computer Science
(Minor in Mathematics)
Hours Completed: 72
In-Major GPA: 3.32

PROJECTS

- **med-api (Python, Flask):** A RESTful API for medical applications of machine learning. For example, classifying data from a fine needle aspiration of breast mass as malignant or benign. (In Progress)
- **Doctor's Appointment Booking System (C):** This C program simulates reserving an appointment on a day in a given month for a doctor's visit. The user can schedule an appointment as long as it is open. There is also an admin log-in feature where an administrator can see the amount of revenue made in a particular month or remove appointments if necessary.
- **HMWRK (Java):** A homework management app that keeps track of classes and assignments. Built with a team using Scrum and Kanban.
- **Convolutional Nets (Python):** Implemented convolutional neural networks on both the Fashion MNIST image dataset and the CIFAR10 image dataset using Python and Keras.
- **See Github for more:** github.com/davidhuangal

EXTRACURRICULAR INVOLVEMENT

- **TigerHacks:** Director of sponsorship for the university's annual hackathon: TigerHacks.
- **Mizzou Computing Association:** Currently participating in the Machine Learning SIG.
- **Concert Chorale:** Performed in this audition-based choir in Spring 2017 and Fall 2017.

RELEVANT COURSEWORK

- Computational Intelligence, Artificial Intelligence, Object Oriented Programming, Database, Software Engineering
- Calculus I-III, Discrete Math, Numerical Linear Algebra, Calculus Based Statistics

OTHER INTERESTS

- Reinforcement Learning
- High-Performance Computing

LANGUAGES AND TECHNOLOGIES

- Python (Advanced), C (Advanced), Java, MATLAB/Octave
- Scikit-Learn, Keras, NumPy, Pandas, Flask, MySQL
- Scrum, Kanban