Stanford

Griffin Holt

Masters Student in Electrical Engineering, admitted Autumn 2022

Research & Scholarship

PROJECTS

- Approaching the Floor Layout Problem with Genetic Algorithms and Convex Optimization - EE 364B, Convex Optimization II, Stanford University (4/3/2023 - 6/12/2023)

- Spicing it up with with SpicyNERF: Novel View Synthesis using Thermal Images - CS 231N, Deep Learning with Computer Vision, Stanford University (4/24/2023 - 6/8/2023)

- GAN-BERT for Automated Essay Scoring - Stanford University, CS 224N, Natural Language Processing (2/14/2023 - 3/3/2023)

- Predicting Justin Verlander's Next Pitch with Machine Learning - Stanford University, CS 229 Machine Learning (10/5/2022 - 12/7/2022)

- Drafting the Best Baseball Team: An Integer Programming Problem - Brigham Young University, C S 412 Linear Programming (2/1/2022 - 4/10/2022)

- Recurrent Neural Networks for Identifying Phases of the Honeybee Waggle Dance - Brigham Young University, C S 474 Deep Learning (10/1/2021 - 12/14/2021)

- Music Genre Classification - Brigham Young University, C S 472 Machine Learning (7/1/2021 - 8/31/2021)

- Ant Colony Optimization: An Advanced Approach to the Traveling Salesman Problem - Brigham Young University, C S 312 Algorithm Design & Analysis (10/15/2020 - 12/14/2020)

- Question Detection using Decision Tree Models - Brigham Young University, C S 580 Theory of Predictive Modeling (10/23/2020 - 12/15/2020)

- Training Data and its Inherent Biases - Brigham Young University, C S 404 Ethics in Computer Science (10/1/2020 - 12/12/2020)

- Civil War in the Home - Brigham Young University, ENGL 316 Technical Communication (2/1/2020 - 4/21/2020)

Publications

PUBLICATIONS

- **Developing Ecological Sensors for Real-Time Interpretation of Honeybee Communication** *IEEE Conference on Control Technology and Applications (CCTA)*
  Holt, G., Murray, P., Grimsman, D., Warnick, S.
  2022