Bora Uyumazturk

689 Roble Ave, Menlo Park, CA 94025

✉ bora.uyumazturk@gmail.com +1 (202) 413-6765

EDUCATION

Stanford University, *Stanford, CA*
Master of Science in Computer Science (Specialization in Artificial Intelligence) *Sept. 2019 – Jun. 2020*
GPA: 4.11 / 4.00
Selected Courses: CS229 (Machine Learning), CS228 (Probabilistic Graphical Models), CS231N (Convolutional Neural Networks for Visual Recognition), CS161 (Design and Analysis of Algorithms), CS250 (Error Correcting Codes)

Stanford University, *Stanford, CA*
Bachelor of Science in Mathematics *Sept. 2015 – Jun. 2019*
GPA: 4.02 / 4.00
Selected Courses: MATH205A (Graduate Real Analysis), MATH205B (Graduate Functional Analysis), ECON180 (Honors Game Theory), MATH154 (Algebraic Number Theory), MATH148 (Algebraic Topology)

WORK EXPERIENCE

Stanford Machine Learning Group, *Palo Alto, CA*
Research Assistant *Sept. 2018 – Present.*
- Worked on projects applying machine learning techniques to problems in healthcare.
- Developed models for classification and perception using deep learning.
- In addition to research, participated in weekly reading groups covering healthcare, statistics, and AI.

deeplearning.ai, *Palo Alto, CA*
Course Assistant Intern *Jun. 2019 – Present.*
- Head course assistant for online course teaching applications of machine learning in medicine.
- Responsibilities included course content presentation and assignment development.
- Developed content for topics such as survival analysis, Cox proportional hazards, random forests, among others.

Cubist Systematic Strategies, *New York, NY*
Research Analyst Intern *July. 2018 – Sept. 2018*
- Modeled bid/ask spread dynamics around economic events using Gaussian Processes. Applied combinatorial optimization techniques (simulated annealing, greedy algorithms) to analyze relationships and cluster entities in the foreign exchange market.

Moore Capital Management, *New York, NY*
Risk Technology Intern *July. 2017 – Sept. 2017*
- Processed lengthy brokerage reports using various NLP techniques (custom word vectors, entity recognition, etc). Updated stock tick data retrieval service, making extensive use of Java's multithreading libraries to handle asynchronous calls to Reuters' REST API.

SELECTED RESEARCH PROJECTS

A Deep Learning Assistant for Cancer Subtype Classification (ML4H Workshop, NIPS 2019) *Sept. 2018 – Apr. 2019*
- Developed and validated a deep learning powered diagnostic assistant to help pathologists differentiate between subtypes of liver cancer using digital pathology slides. Created python library for sampling from annotations of whole slide pathology images. Presented poster at Frontiers of AI Assisted Care Symposium. Accepted to present extended abstract at ML4H conference at NIPS 2019.

Majority Minority: Theoretical and Empirical Analysis of Consensus Voting (RadicalxChange 2019) *Sept. 2018*
- Analyzed efficiency of consensus voting schemes in small groups from a game theoretic perspective. Compared theoretical predictions with empirical evidence from a community at Stanford. Was one of two undergraduate projects accepted for presentation at RadicalxChange, a conference exploring issues at the intersection of political science, computer science, and economics.

ORGANIZATIONS

Stanford Chaparral, *Palo Alto, CA*
Art Director *Sept. 2016 – June. 2018*
- Served as art director for Stanford's oldest humour magazine.
- Published various cartoons and written pieces and provided constructive criticism on pieces submitted by others.

SKILLS & OTHER

Programming Languages: Python, C++, C, Java, Matlab
Human Languages: Turkish, Spanish
Interests: Cartooning, Translating Poetry, Backgammon, Turkish Coffee