

Present Address

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Permanent Address

12026 Louise Ave
Los Angeles, CA, 90066

Education

Massachusetts Institute of Technology, *Cambridge, MA*

Class of 2019

B.S. in Computer Science and Molecular Biology

GPA: 4.6 / 5.0

Coursework: Advanced Algs, CompBio Algs, Machine Learning, Software Construction, Speech Rec, Mobile Sensor Computing, Hallmarks of Cancer, Immunology, BioCircuit Engr, Classical+Climate+BioEthics

Work Experience & Research

Draftkings, *Remote*

Oct 2021-January 2023

Senior Data Science Engineer with Greg Von Pless and Fred Stakem

- ❖ Developed streaming systems in elastic kubernetes for pricing derivative markets
- ❖ Led initiative for system+model+data monitoring for existing and new Data Science services
- ❖ Created build tool and workshop for CI/CD of python apps from test to production

inference, *Cambridge, MA*

Sept 2019-March 2021

Biomedical Data Scientist with Dr. Tyler Wagner

- ❖ Deployed APIs for rapid epidemiological studies in Mayo Clinic's unstructured electronic health records
- ❖ Trained case-specific BERT models to extract novel disease progressions, treatments, populations, etc
- ❖ Harmonized longitudinal data into clinically relevant Real World Evidence

Koch Institute for Integrative Cancer Research, *Cambridge, MA*

August 2018-August 2019

Computational Biology Researcher with Dr. Phillip Sharp

- ❖ Studied differential response of PDAC to immunotherapy using mRNA-PROseq data
- ❖ Created pipelines for processing and graphing experimental output alongside TCGA+ICGC+GEO data
- ❖ Presented findings biweekly in floor lab meetings and culminated at Dana Farber

Aptiv, *Agoura Hills, CA + Boston, MA*

June-Sep 2018+Jan 2019

Deep Learning Developer for Perception with Alejandro Olivares and Izzat Izzat

- ❖ Developed an annotation tool for generating linked bounding boxes in 2D (opencv) and 3D space (VTK)
- ❖ Trained and evaluated tensorflow/pytorch object detection models using only lidar data

Massachusetts General Hospital, *Charleston Navy Yard, MA*

May-Sep 2016

Student Researcher in Biomedical Microelectromechanical Systems with Dr. James Fox

- ❖ Quantified cytotoxicity of endotoxin on megakaryoblasts with flow cytometry+fluorescence microscopy
- ❖ Evaluated a new computational method for recognizing septic shock 48 hours before symptoms

Activities

Volleyball, Middle Blocker and Youth Coach

2012-Present

- ❖ Playing for Boston Bounce Volleyball Club and coaching boys beach volleyball with Smash Beach VBC
- ❖ 4-year starting middle 1 and captain on MIT Men's Varsity Team, DIII All-American

Director of the MIT Biotech Group Industry Initiative

Sep 2017-Jan 2019

- ❖ Organize 10 events annually with industry professionals to provide biotech career insight+guidance

MIT Peer Mentor

Sep 2016-Dec 2017

- ❖ Selected from large student pool to tutor Genetics, Intro Biology, Microeconomics