

**Present Address**

12026 Louise Ave  
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**Skyler Kaufman**

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**Permanent Address**

60 Savoy Road  
Needham, MA, 02492

**Education**

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**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**

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**Draftkings**, *Remote*

Oct 2021-present

**Senior Data Science Engineer with Greg Von Pless**

- ❖ Developing streaming systems in elastic kubernetes for pricing derivative markets
- ❖ Leading 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

**Summer Student Researcher in Biomedical Microelectromechanical Systems with Dr. James Fox**

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

**Activities**

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**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