Skyler Kaufman

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Education

Massachusetts Institute of Technology, *Cambridge, MA*   **GPA: 4.6 / 5.0**

B.S. in Computer Science and Molecular Biology

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

Technologies: python, bash, SQL, gitops, kubernetes, terraform, redis, fastAPI, argoCD, snowflake, selenium, elastic+datadog+new relic, AWS lambda+kinesis+athena, GCP functions+datastream+bigquery, ask me !!

Work Experience

Draftkings, *Remote*   Oct 2021 - January 2023

Senior Data Science Engineer with Greg Von Pless and Fred Stakem

- ❖ Developed streaming kubernetes Deployments for pricing derivative markets
- ❖ Terraformed services, databases, ingresses, data streams, etc for architected system
- ❖ Led ML Ops monitoring for Data Science services using DataDog and Tableau
- ❖ Created build tool and tutorial workshop for CI/CD of python apps from dev to production
- ❖ Maintained kubernetes Cronjobs which read from Snowflake data lake and Kafka topics

nference, *Cambridge, MA + Remote*   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 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

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
- ❖ Currently ranked in top 100 mens players of USA Beach Volleyball

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