Zachary Fried

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EXPERIENCE

IRTA Postbaccalaureate Fellow

The National Institute on Drug Abuse (NIDA)

August 2022 - Present, Baltimore, MD

- Implemented a comprehensive pipeline for ingesting and processing Reddit data, including text normalization, tokenization, dictionary extraction, and utilization of Latent Dirichlet Allocation (LDA).
- Executed feature extraction, topic modeling, and other NLP tasks on massive corpus of social media data, specifically targeting HIV-related work.
- Benchmarked performance of a large-scale text analysis platform across different databases and versions, optimizing its codebase for enhanced compatibility.
- Designed and implemented scripts to transform and standardize smartphone sensor data, facilitating its integration with the RAPIDS digital biomarker analysis platform.

Medical Scribe

Scribe-X

September 2019 - July 2022, Portland, OR

- Gained expertise in real-time data documentation and adaptation to complex medical software systems.
- Collaborated with healthcare professionals to ensure accurate EHR entries, highlighting proficiency in translating user requirements into tasks.
- Demonstrated rapid assimilation of technical knowledge by frequently adapting to new medical specialties.

CDCB Summer Intern

Oregon Health & Science University

June 2018 - September 2018, Portland, OR

- Added functionality to an R package for radiation oncology treatment planning that evaluates similarity between 3D structures based on position and relative radiation dose with use of the Sørensen-Dice coefficient.
- Authored an Honors College Thesis from this work.

Summer Research Intern

Earle A. Chiles Research Institute

June 2016 - August 2016, Portland, OR

- Engineered a bioinformatics workflow in Galaxy targeting aberrant long non-coding RNAs in liver cancer mouse models.
- Supported a postdoc researcher in the care, observation, and data collection for mouse model studies.
- Assisted with cell culture maintenance, processing, and other related laboratory tasks.

EDUCATION

Honors Bachelor of Science, Chemistry

Oregon State University

Corvallis, Oregon, 2019

GPA: 3.66

SKILLS

Python, R, MySQL, GitHub, AWS, Linux