

New York, NY

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U.S. Citizen

Education

Icahn School of Medicine at Mount Sinai	March 2021	Rutgers University - New Brunswick	May 2019
Master's in Biomedical Data Science (MS)		Bachelor's in Biomedical Engineering, Chinese (BE)	

Projects

- `dcurves` Python Library - <https://decisioncurveanalysis.org>
- Developed Python package ([GitHub Link](#), [PyPI Link](#)) implementing Decision Curve Analysis to evaluate binary and survival models; [over 20k downloads](#)
  - Built and maintain [decisioncurveanalysis.org](https://decisioncurveanalysis.org), an instructional website with a technical forum for DCA users, answering advanced user questions (links: [1](#), [2](#), [3](#))

Experience

Memorial Sloan Kettering Cancer Center	March 2021 to Present
Data Analyst/Engineer	New York, NY
<ul style="list-style-type: none"><li>Engineered data pipelines with SQL-extracted institutional data and wrote statistical code for <a href="#">Amplio</a>, allowing sarcoma, melanoma, whipple, gastrectomy, and liver surgeons to see patient outcomes</li><li>Developed AI-driven radiology pipeline, fine-tuning Llama3.1 and image segmentation models, with results visualized via an interactive RShiny dashboard</li><li>Led statistical analyses for a landmark study on post-chemotherapy RPLND policies in testicular cancer, applying cutting-edge methods (GAM, logistic regression, Kaplan-Meier, CoxPH, DCA) to produce actionable insights (coming soon)</li><li>Conducted a hospital-wide patient comorbidity analysis using survey data, validating with Posit's 'pointblank,' and demonstrated the survey's effectiveness in improving billing accuracy for patient visits</li></ul>	

Sema4	February 2020 to February 2021
Bioinformatics Intern	Stamford, CT
<ul style="list-style-type: none"><li>Automated large mutation detection for whole genome sequencing (WGS) data with Bash, DRAGEN, and AWS S3/EC2</li><li>Designed a pipeline to clean and compare results from mutation detection algorithms (e.g., DRAGEN) to explore the origin different pancreatic tumors</li><li>Visualized genomic data using R &amp; Python to present findings to my research group and capstone defense committee</li></ul>	

Languages

Mandarin Chinese	Hindi	Japanese	Spanish
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Publications

<https://scholar.google.com/citations?hl=en&user=eR7hro0AAAAJ>