


ILYA NOVIKOV

ilyanovikov.io  

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2500 Central Park Lane 502, College Station, TX

SKILLS

Programming	Python, SQL, MATLAB
Data Analytics	proficient at data handling, cleaning, feature engineering, A/B hypothesis testing, and visualization
Machine Learning	regression, clustering, graph learning, matrix factorization
Databases	MySQL, SQLite
Cloud Services	AWS EC2, RDS, Elastic Beanstalk, Heroku
Tools & Libraries	git, bash, Jupyter, vim, L ^A T _E X, plotly Dash, Apache airflow

EXPERIENCE

Mercury Data Science	May 2019 - August 2019
<i>Data Science Fellow</i>	<i>Houston, TX</i>

- Worked as part of team consulting an app-based concierge startup
- Cleaned and feature engineered customer data served via SQL database
- Scraped third-party sources to add features
- Identified major customer clusters, conducted hypothesis testing, modelled retention rates
- Uncovered underlying data issues that prevented effective modeling, presented and worked through issues with team leader

Baylor College of Medicine	August 2010 - May 2019
<i>Graduate Student Researcher / Computational Biologist</i>	<i>Houston, TX</i>

- Developed sequence-based model to rank nucleotide importance in RNA molecules
- Developed graph learning and NMF models to classify human proteins
- Collaborated with industry and team members to develop literature-based inferential tools, leading to discovery of novel disease-relevant interactions between human kinases
- Led weekly journal club meetings to keep team members abreast of the field
- Presented technical talks to large audiences at local and international conferences

EDUCATION

Baylor College of Medicine	May 2019
Ph.D. Biochemistry	
Texas A&M University	May 2010
B.S. Biochemistry	