

# ILYA NOVIKOV

ilyanovikov.io  

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2500 Central Park Lane 502, College Station, TX

## SKILLS

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<b>Programming</b>	Python, SQL, MATLAB
<b>Data Analytics</b>	proficient at data handling, cleaning, feature engineering, A/B hypothesis testing, and visualization
<b>Machine Learning</b>	regression, clustering, graph learning, matrix factorization
<b>Databases</b>	MySQL, SQLite
<b>Cloud Services</b>	AWS EC2, RDS, Beanstalk, Heroku
<b>Tools &amp; Libraries</b>	git, bash, Jupyter, vim, L <sup>A</sup> T <sub>E</sub> X, plotly Dash

## EXPERIENCE

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<b>Mercury Data Science</b>	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

<b>Baylor College of Medicine</b>	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

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<b>Baylor College of Medicine</b>	May 2019
Ph.D. Biochemistry	
<b>Texas A&amp;M University</b>	May 2010
B.S. Biochemistry	