

# PARTH LAKHANI

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## WORK EXPERIENCE

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### Yext

2016 – 2017

*Data Strategist*

*New York, NY*

- Working across multiple teams, conducted internal analyses of large customer outcomes datasets to deliver novel insights on best practices, requiring NLP and machine learning techniques.
- Architected and developed new process automation tools as notebooks or browser-based interfaces.
- Completed major refactor of legacy codebase, including Python 2 to 3 transition.
- Advised Engineering and Product teams on data governance and data quality initiatives.

### Captain401

2015 – 2016

*Software Development Intern*

*San Francisco, CA*

- Built client payroll tracking and parsing infrastructure using NodeJS and React
- Prototyped internal operations tool using Python, Flask, and Postgres
- Learned collaborative development, secure code testing and deployment best practices as part of an agile engineering/product team

### UC San Francisco/Massachusetts General Hospital

2013 – 2015

*Laboratory Solutions Developer/Research Technician II*

*San Francisco, CA/Boston, MA*

- Independently designed and developed end-to-end ETL and analysis pipeline.
- Using Python/Django, built laboratory inventory and chemical inventory database applications.
- Built Django-based SQLite animal inventory and facility management system, using Raspberry Pi for connection to monitoring hardware and hosting on internal network with nginx and gunicorn.
- Designed novel assays for custom MATLAB and Arduino-based rapid behavioral phenotyping platform.
- Used CRISPR in zebrafish models to study various pathways in behavior and neurodegeneration.
- Results published in *Nature Chemical Biology* and *Frontiers in Pharmacology*.

### Mount Sinai School of Medicine, Department of Nephrology

2010 – 2013

*Associate Researcher*

*New York, NY*

- Managed team of 3 technicians to run multi-facility mouse colony of 1000+ mice.
- Studied autoimmunity/alloimmunity connection, including publishing independent research project.
- Results published in *Transplantation* and *American Journal of Transplantation*.

## SKILLS

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**Languages** Python, SQL, JavaScript, MATLAB, bash scripting, L<sup>A</sup>T<sub>E</sub>X, R

**Technologies** pandas, Flask/Django, PostgreSQL/MySQL, scikit-learn, git, NodeJS, Heroku

## EDUCATION

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**DataCamp/Udacity/Coursera, Independent study**

2015 – Present

*Coursework in:* data analysis, statistics, data visualization, web development

**Swarthmore College, B.A., Biology**

2006 – 2010

*Relevant coursework:* Algorithmic Problem Solving, Data Analysis and Visualization, Privacy and Security