

**PROFESSIONAL EXPERIENCE****Senior Software Engineer** **GIPHY** **Mar 2019 – Current**

- Technical lead of Ad Tools team, managing a team of 5. Products include campaign management, reporting, impression tracking service, inventory validation, and pacing APIs.
- Conducted routine 1:1s with direct reports, code reviews, system designs, interviews, and worked closely with product managers and stakeholders to plan bi-weekly sprints.
- Built impression tracking service for ad campaigns to enable pacing and corresponding insights dashboard. Generating hundreds of thousands of tags a day and tens of millions of tags historically.
- Built inventory validation on ad campaigns, as a precursor to pacing, to notify campaign managers of conflicting campaigns.
- Mentored junior engineers on database systems, ORM usage, and Django.

**Software Engineer** **Artivist** **Apr 2018 – Feb 2019**

- Designed RESTful APIs for performance and sales analytics of funds using Django, PostgreSQL, and celery.
- Redesigned ETL processes to be event-driven using modular functions and added comprehensive logging.
- Identified API bottlenecks through profiling and significantly improved performance by recusing signal calls and optimizing queries.
- Mentored engineers through code reviews and gave biweekly talks on topics such as database design, proper ORM usage, and event-driven architecture.
- Defined standard operating procedure (SOP) for Git workflow in the SDLC.

**Software Engineer** **Truveris** **Sept 2016 – Apr 2018**

- Technical lead on Patient Access Services (PAS) team which specialized in analytics and distribution of copay programs.
- Designed and implemented claims adjudicator handling millions of requests a month.
- Integrated additional copay programs to IVR system and web portal for prescription-drug coupon activations, using Twilio and third-party adjudicators.
- Built a text messaging program for the prescription savings program which included custom messages, automated reminders, and SMS prescription-refill requests.

**Software Engineering Intern** **Truveris** **May 2016 – Aug 2016**

- Developed features for the OneRx pharmacy price comparison web app using React.js, and Flux.
- Implemented testing infrastructure for React applications with Karma, Jasmine, Enzyme, and PhantomJS.
- Trained classifier with prescription data using convolutional neural network and TensorFlow.

**LANGUAGES AND TECHNOLOGIES**

<b>Programming Languages:</b>	Python, JavaScript, SQL
<b>Web Technologies:</b>	Django, React, AWS, Celery, Flask, SQLAlchemy, Docker, Kubernetes
<b>Databases:</b>	PostgreSQL, Redis, DynamoDB, SQLite
<b>Software Tools:</b>	Git, Bash, Linux (Ubuntu), Vim, tmux, Pycharm

**OPEN-SOURCE CONTRIBUTIONS****Mezzanine (Python)**

- CMS framework for Django applications (<https://github.com/stephenmcd/mezzanine>)
- Fixed context manager for switching sites to properly clean up thread-local state

**EDUCATION****New York, NY** **New York University** **Sept 2014 – May 2016**

- M.S. in *Electrical Engineering*
- Areas of Specialization: Signal Processing

**New Brunswick, NJ** **Rutgers University** **Sept 2010 – May 2014**

- B.S. in *Biomedical Engineering*, Minors: Mathematics/Psychology