

Tristan Schrader

Data Engineer

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[my.website](#)

EXPERIENCE

Terrace F. Club, Princeton, NJ — Full Stack Infrastructure Engineer (Freelance Contract)

APRIL 2021 - PRESENT

Jumpstarting proprietary social media system to address growing digital engagement demands with Wagtail CMS and GitLab CI/CD.

Dream A Dream, Bangalore, India — ML Engineer

AUGUST 2019 - AUGUST 2020

Automated ETL pipelines for assessment, analytics, and reporting with a Django GraphQL server on Google Kubernetes Engine, eliminating manual workload for the research team.

Migrated main campus databases to Google BigQuery data warehouse for greater data availability and security from all office locations.

Implemented NLP sentiment analysis on program testimonials and feedback with PyTorch, increasing actionable insights by 200%.

UEM, Maringá, Brazil — Researcher

SEPTEMBER 2018 - DECEMBER 2018

Built a hotspot regression model to identify areas at risk of Chagas outbreaks using climate and clinical data with viral vector models.

Princeton University, Princeton, NJ — Undergraduate Researcher (Department of Astrophysical Sciences)

SEPTEMBER 2018 - DECEMBER 2018

Trained suite of galaxy collision classifiers to study AGN formation. Simulated diffuse absorption on interstellar dust model candidates. Probed chemical makeup of protoplanetary disks for simulations.

EDUCATION

Princeton University, Princeton, NJ — Astrophysics, BA

SEPTEMBER 2014 - JUNE 2018

Minor: *Engineering Biology*

Coursework: *Information Security, Algorithms, Programming Systems*

Thesis: *Star Formation in Clusters: The “Missing Baryon Problem”*

KEY PROJECTS

Podra — web desktop with personal newsboards & analytics

Spark | Kafka | Airflow | Terraform |
Postgres | React | Flask

SKILLS

Python	6 years
Postgres, MySQL	4 years
GKE, Cloud Functions	2 years
BigQuery	2 years
MongoDB	1 year
Redis	1 year
Spark, Kafka	<1 year
Terraform	<1 year
Airflow	<1 year

ACHIEVEMENTS

Princeton In Asia Fellowship | 2019
Sponsored to work with an Indian NGO to bolster the reach of life skills education to youth in adversity.

LANGUAGES

English
Portuguese

INTERESTS

Big Data | Quantum ML | Public Health
| Science Education | Linguistics |
Neuroscience