

Gregory Wiltshire

swe@gregorywiltshire.com | [linkedin.com/in/gregorywiltshire](https://www.linkedin.com/in/gregorywiltshire) | github.com/GregoryWiltshire | Atlanta, GA
Software Engineer with a rich experience with Data Science, Audience Segmentation, and Cloud technologies.

Work Experience

Software Engineer II Warner Bros. Discovery 03/2021-Present

- Prototyped, pitched, and played a key role for building a data product using open-source computer vision and machine learning models to generate candidate ad breaks
<https://podcasts.apple.com/us/podcast/the-dan-rayburn-podcast/id1601135051?i=1000639002844>
- Coordinating contract teams of 3-10 people for various phases of product development
- Responsible for internal ML platform: server/client REST APIs, CLI, and web application
- Identified opportunity to use OpenAI Whisper for ~40% savings and +15% accuracy to automated transcriptions
- Rearchitected cost reporting application for 90% faster data collection of ~450 AWS accounts
- Created cloud spend baselines which lead to ~\$1.2m of cost avoidance and optimization
GoLang, Python, Terraform, PostgreSQL, GraphQL, REST, Docker, GitHub Actions, GCP, FFmpeg
AWS: API Gateway, ECS, Rekognition, Transcribe, Cognito, SQS, SNS, WAF, S3, RDS Aurora, Lambda, ECR
GCP: Cloud Functions, IAM, Storage, VertexAI,

Advanced Software Developer WarnerMedia 05/2019-03/2021

- Built APIs used in linear Ad optimization, estimated incremental revenue of \$25m/yr. for 2022
- Modernized a data team using Airflow to improve pipeline observability and alerting, wrote slack integrations to automate DAG owner notifications, containerized python code, and automated deployments with GitHub Actions increasing team velocity and code ownership
Python, Terraform, PostgreSQL, Snowflake, Airflow, Docker, GitHub Actions, AWS, ECS, S3, ECR

Data Engineer Intern Turner Broadcasting Inc. 01/2019-05/2019

- Simplified job status web application into a series of views on a Looker dashboard
- Eliminated unnecessary database rebuilds saving hours of engineering time every month
Python, Snowflake, SQLAlchemy, PostgreSQL, Docker, AWS, EC2, Looker

Data Engineer Intern Turner Broadcasting Inc. 08/2018-12/2018

- Contributed SQL and Python code to ingest third-party API data into Snowflake data warehouse
Python, Snowflake, SQLAlchemy, PostgreSQL

Automotive Technician Pep Boys / NTB / Freelance 2011-2018

- Acquired ASE certifications in Braking and Suspension systems
- Responsible for diagnosis, repair, and maintenance of customer vehicles

Extracurriculars

- Completed Machine Learning Fundamentals and Machine Learning Ops on cloudskillsboost.google
- Early Career Engineering Mentor for Warner Bros. Discovery.
- Mentored SWE interns as an intern alumni for several rotations of WarnerMedia intern program
- Volunteer industry mentor, working with GSU undergraduate CS students

Education

B.S. Computer Science	Georgia State University Atlanta, GA	2019
A.S. Computer Science	Georgia State University Atlanta, GA	2016