

# ERIK ANDERSON

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## SKILLS

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**PROGRAMMING LANGUAGES:** Python, Java, SQL

**UTILITIES:** Git, GitHub, Jenkins, Docker, Airflow

**AWS:** CloudFormation, ECS and ECR, EC2, S3

## EMPLOYMENT EXPERIENCE

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**Casual Precision**, Remote US

November 2021 – Present

**Analytics Support Engineer**

- Improved Apache Airflow DAGs
- Studied and documented existing ETL pipelines
- Used AWS Kinesis Firehose to capture SNS messages in S3 and analyzed the messages using Elasticsearch and Kibana

**Integral Ad Science**, Chicago, IL

April 2020 – July 2021

**Associate Data Engineer**

- Used Python and Airflow to automate a daily data loading process that had previously been running as a cron job on an on-premise server
- Using Jenkins, deployed Docker container to Elastic Container Registry (ECR) and to define a related task on Elastic Container Service (ECS)
- Used GitHub to collaborate

**Illinois Science Council**, Chicago, IL

April 2019 – December 2019

**Freelance Science Writer**

- Researched popular scientific concepts and choose topics based on community interest and other recent articles
- Wrote and edited articles, then posted articles online

**Wyzant**, Chicago, IL

March 2015 – August 2019

**Math and Science Tutor**

- Developed individualized lesson plans for students between middle school and college-age, for both in-person and online lessons
- Tracked learner progress and adjusted activities and materials based on learner understanding

## EDUCATION AND TRAINING PROGRAMS

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**Master of Science Degree in Physical Chemistry**

**University of California**, Berkeley, CA

August 2010 – December 2013

**Bachelor of Arts in Chemistry**  
**Bachelor of Music in Trombone**  
**Lawrence University, Appleton, WI**

June 2005 – January 2010

**Certificates:**

- |   |                                |
|---|--------------------------------|
| ● Per Scholas, Java Developer Training Program                  | July 2021 – October 2021       |
| ● Metis, Data Science Bootcamp                                  | January 2020 – April 2020      |
| ● Loyola University Chicago,<br>Certificate in Computer Science | September 2019 – December 2019 |

**VOLUNTEER EXPERIENCE**

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**exercism.io**

January 2020 – May 2020

**Coding Mentor**

- Guided learners in coding exercises focused on Python
- Prepare learners to apply coding concepts to real-world applications
- Continually received excellent learner feedback

**PROJECTS**

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**Music Poll Website**

October 2021

**Project for Per Scholas Program**

- Full stack development project
- Used Postgres and Spring Boot
- Deployed web app to Heroku
- <https://music-poll-website.herokuapp.com/>
- <https://github.com/ekand/music-poll-website-public>

**Rideshare Helper**

March 2020

**Project for Metis Program**

- Data Science project using Python and Scikit Learn
- Identified best times and places for rideshare drivers to work
- Published code and results on GitHub
- [https://github.com/ekand/rideshare\\_helper](https://github.com/ekand/rideshare_helper)