

KELLY RICHARDSON

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EXPERIENCE:

01/2017 - Current - Data/Coding Expert - Remote

Imagine Learning - Provo, UT

Use programming skills (see Skills) to mine data about teaching sessions, analyze it, and then create several different types of reports used by management for yearly reviews.

“Tabby Project” - Used python, gspread, AWS EC2 (linux), flask, and html to web scrape management google spreadsheets to display only particular information on a webpage. Used by teachers to monitor how many sessions need to be taught.

“Admin Dashboard Project” - Used python, gspread, and OAuth to web scrape information from a website to google sheets every 6 minutes to display sessions taught over time. Used by management to monitor teachers.

“Efficiency Reports” - Use sql to query csv tables from Microsoft Database Management Studio and Periscope(BI). Use data, python, pandas, openpyxl, numpy, to generate Excel Reports that display timestamps, sessions closed, and how many sessions should have been closed. Used by management and teachers for reflections and yearly reviews with a focus on quantity.

“Transcript Reports” - Use sql to query teacher transcripts from Periscope(BI) and python, pandas, regex, and numpy to highlight vocabulary words and calculate response times, session lengths, etc. Used openpyxl to condense information into an easy-to-read format in excel. Used by teachers and management for reflections and yearly reviews with a focus on quality.

08/2014 - Current - Online Math Teacher - Remote

Imagine Learning - Provo, UT

Aid struggling students who use the Imagine Learning software through various questioning techniques and scaffolding.

06/2016 - Current - Robotics Instructor - Part Time

Carnegie Science Center - Pittsburgh, PA

Taught MindStorm Robotics and Scratch Programming in Summer camps and Weekend Workshops, ages 8-14.

08/2013 – 07/2014 - Middle School Math and Science Teacher

Immaculate Heart of Mary Catholic School – Towson, MD

Prepared for and taught four different classes: Physical Science(6th), Algebra I (8th), and Common Core Mathematics (7th & 6th). Provided over five hours a week of free tutoring to ensure students succeeded.

EDUCATION:

08/2009 - 05/2013 - Saint Francis University – Loretto, PA

Bachelor of Arts in Social Studies Secondary Education *and* Bachelor of Arts in History (**Double Major**)

Minor in Political Science *and* Minor in Management Information Systems (**Double Minor**)

SKILLS

Python, Pandas, SQL, Javascript, HTML, CSS, Flask, Linux, Git, GitHub, Numpy, Excel, Openpyxl, Periscope, OAuth, AWS EC2, JSON

REFERENCES

Available upon request