

JULIUS H.

JULIUS_HERNANDEZ@APPLE.COM

1-916-955-9525 Sacramento, California

Experience

Data Analytics Engineer

Apple, Jan 2021 to Present (3 years 6 months)

- Analyzing biometric datasets for machine learning model development with the Health AI team using Apache Spark on AWS Elastic Map Reduce.
 - Collected 37,254 assets per participant, 5,732 surveys, 7.3million heart rate readings. Ran 300+ Spark Jobs, figured out 100+ stats via statistical analysis, developed 10+ data apps via Plotly Dash.
- Building data processing systems & visualizations for AI/ML Data Collections projects.
 - Developed 100+ data visualizations via Tableau and 30+ data pipelines to scan files that vendors send to us for data validation & stat generation.
- Operated a pipeline that ran across 20+ nodes in China & The United States.
 - Helped collect 1,000,000+ videos and helped develop distributed data processing systems to upload those vids to AWS S3 & RDS to create summary stats per node per week to visualize in Tableau. We also built custom ML models to watch these videos for QA purposes and I built the pipeline that scanned the results of these models.

Skills

<https://calgeek.com/julius/skills.html>

Education

<https://datageek3d.wordpress.com/2023/12/02/autodidactic-education/>

MY STORY

2009-2014

Self-Taught

3D Animator
(Blender3D, Photoshop)

Virtual Reality Engineer
(Unity3D, C#)

STUDENT, ENTREPRENEUR

2015-2020

Self-Taught

Full Stack Engineer
(PHP, MySQL, JavaScript)

UI/UX Designer
(Adobe Illustrator)

FREELANCE, LAB916, REDSTONE

2021-2024

Self-Taught

Data Analyst
(Tableau, Python, SQL)

Data Engineer
(Apache Spark, Airflow, AWS)

APPLE



Certified Data Engineer

<https://www.datacamp.com/certificate/DE0012059377349>

& Professional Data Analyst

<https://www.datacamp.com/certificate/DA0022834829792>

My Curriculum Vitae

<https://calgeek.com/julius/work.html>

Tableau Public Project

https://public.tableau.com/views/HealthcareEfficiency_17082961426000/LOSOOverview?:language=en-US&:sid=&:redirect=auth&:display_count=n&:origin=viz_share_link