Andrew J. Bibian

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SPECIALIZED SKILLS

- **Languages:** Python (4 years), R (7 years), SQL (4 years), Bash (2 years)
- **Analytics:** Bayesian Modeling, Regression, Numerical Simulations, Random Forest, NLP
- **Programming Tools:** AWS (2 years), Snowflake (2 years), Looker (2 years), Airflow (2 years)

EXPERIENCE

Senior Data Analyst – Tech Lead   **March 2022 – Present**
Doximity – San Francisco, CA (100% remote)

- Tech Lead for the Ads Growth team, optimizing the advertising platform to increase realized value by $29M/year.
- Designing, implementing, and supporting new optimal-control systems to balance business trade-offs i.e., dynamic ad frequency trade-offs with user churn.
- Collaborating with all stakeholders across a 5-team ads umbrella & 3 team business umbrella to coordinate data initiatives and develop data strategies to support business needs.
- Leading data governance initiatives to transition web & data development patterns to streaming, push internal tooling shifts for platform & definition consistency, and research areas for future road map initiatives.
- Contributing to our internal data community via tech talks, evangelizing conference learnings, and experimenting with new numerical methods for generalized solutions to data team problems.

Data Analyst – Tech Lead (TL @ 1.5 years)   April 2020 – March 2022
Doximity – San Francisco, CA (100% remote)

- Led the Ads Prioritization team to collaborate with a 5-team ads umbrella and support scaling the advertising platform to realize >$250M in value from $100M.
- Implemented new optimal-control system to support >=30% increases in revenue from YOY growth for 2 years e.g., weekly engagement budgets for pacing and user level bidding
- Established data standards with internal tooling, speeding up metric pipelines by 75% (UDFs), and participated in prototyping internal tooling
- Contributed to the internal data community; creator and current leader of the DA-book-club, developed rotational knowledge sharing initiatives, delivered 4 data tech talks and 2 umbrella talks on data strategy.

Data Scientist/Engineer   September 2018 – April 2020
CredibleMind - Sausalito, CA - Seed funded startup, name pending, 7 FT employees, 90% remote

- Trained a deep learning text classifier via transfer learning and improved model precision by 30% from Naïve Bayes baseline; deployed with Docker and AWS and monitored performance through logs.
- Developed over 50 microservices to gather, process, enrich, and perform ETL on data with Python, AWS (SQS, SNS, Lambda, Step Functions, RDS, s3, SSM), and the Node.js Serverless framework.
- Developed, maintained, and tested python modules and libraries with Pytest and Git.
- Developed reporting systems using AWS services, python, and SQL to manage platform content, generate gap analyses, derive aggregated metrics, and propose new content to platform managers.

EDUCATION

M.A. Ecology & Evolutionary Biology - Rice University   2015
B.S. Wildlife, Fish, and Conservation Biology - University of California, Davis   2010