

Alan Zablocki

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I am a data scientist with 4+ years of experience using Python and machine learning experiments to help clients with their data challenges. I am seeking an opportunity to solve interesting and challenging problems using NLP and recommender systems in a collaborative environment with a focus on customer experience and revenue growth.

Technical Skills

CODING: Python (Pandas, Numpy), R, SQL, Bash, Git
MACHINE LEARNING: Regression, NLP, Time Series, XGBoost, Neural Networks, Keras
BIG DATA: Azure Databricks, BigQuery, Spark, Docker, Kubeflow Pipelines, PowerBI
CLOUD: Azure, GCP, AI Platform, AWS, s3, AWS SageMaker
WEB: Scraping (Selenium), SOAP and REST APIs, Flask, Heroku

Professional Experience

Maven Wave Partners, Chicago, IL

Senior Data Scientist

12/2020–present

I help clients solve their biggest business challenges using machine learning, data engineering and scalable cloud solutions in GCP and AWS.

RedMane Technology LLC, Chicago, IL

Data Scientist

09/2018–12/2020

I worked as a Data Science Solution Consultant for the Emerging Solution team that was focused on developing AI/ML solutions for both internal products as well as external clients.

- Deployed **Docker** applications for analytics in the Azure cloud (**SAS, Python, R**)
- Consulted on machine learning and data analytics for a big utility client and a healthcare startup
- Integrated client ETL with 3rd party vendor systems using **Python** and **Web Services** in Azure Cloud
- Created an internal **PowerBI** dashboard to monitor client data in our SaaS offerings

xAmplifier, Skokie, IL

Data Scientist

03/2017–09/2018

I collaborated with our data engineering team to gather the data and build a customer experience database for various social media websites in mongoDB.

- Wrote and deployed Python ETL pipeline on **AWS** to process client data increasing speed by 10x
- Used machine learning to improve lead management by predicting appointment attendance
- Served as a data science consultant for a national campaign to improve customer experience using natural language processing
- Deployed a data collection pipeline using Python and Yelp, Google and Facebook REST APIs
- Developed a team of business analysts driving data analytics and new product development

The Data Incubator, New York City, NY

Data Science Fellow

09/2016–10/2016

- Selected from 3000 applicants (2% intake) for a prestigious data science fellowship
- Used natural language processing to perform sentiment extraction from 1 million Yelp reviews
- Calculated entropy and n-gram statistics for English Wikipedia (11GB) articles using **MapReduce**

Tribeca Flashpoint College, Chicago, IL

Adjunct Astronomy Faculty

05/2015–03/2017

- Developed and taught an Introductory Astronomy course to 12 undergraduate learners

The University of Chicago, Chicago, IL

Research Assistant

09/2008–12/2014

- Analyzed large cosmological datasets using Bayesian analysis and parallel computing
- Formulated a novel data compression algorithm to estimate model parameters

Education

University of Chicago, Chicago, IL

Ph.D. in Astronomy & Astrophysics

12/2014

University College London (UCL), London, England

M.S. Astrophysics, 1st Class Honors

06/2008

California Institute of Technology, Pasadena, CA

Exchange Student, Summer Undergraduate Research Fellowship (SURF)

09/2007