

Pablo Nicolas Marino

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Ssr Full-stack software engineer. Making the transition into Machine Learning, I have a professional certificate on AI from Stanford University and love to work on open source projects and research. Experimenting with new technologies is one of my biggest passions in life. CS student @ University of London living in Argentina.

Technologies

Python, Python ML and Data Science libraries:(Numpy, Pandas, sick-it-learn, Pytorch, Transformers, Keras, Seaborn, Matplotlib), AWS, MondoDB, SQL, Javascript, React.JS , Node.JS

Experience with AI Projects

Active Contributor on NLP library: simple-transformers

<https://github.com/ThilinaRajapakse/simpletransformers>

"From shallow learning to 2020 SOTA(GPT-2, ROBERTA)"

Kaggle Notebook in which I explore a variety of Machine Learning techniques with the goal of finding the best possible model and preprocessing steps for the task of tweet classification posted on a Kaggle competition, achieving top 10% accuracy on its leaderboard. I also obtained a clear comparison across a number of popular NLP algorithms:

<https://www.kaggle.com/pablomarino/from-shallow-learning-to-2020-sota-gpt-2-roberta>

"Building Question and Answering Systems for COVID-19 Medical Research Papers"

Final project for Stanford course XCS224U(Natural Languages Understanding)

This paper represents a way to build a model, called COVID-BERT, that can understand the content of Coronavirus papers and perform reading comprehension to answers open questions.

https://github.com/pablonm3/cs224u/blob/master/cs224u_paper.pdf

"Resume chatbot"

A chatbot to answer questions about my persona which gets updated with data in real time from a Notion note. Try it at: <https://www.pablomarino.me>

Work Experience

Full Stack Software engineer

www.getaptly.com - San Francisco, CA(Remote) - January 2018 to May 2020

Technologies: AWS(DynamoDB, S3, CloudFront, Lambda, CloudWatch), Heroku, Node.JS, react.JS, MongoDB, GraphQL

Biggest achievements:

- Built from scratch the backend for the metrics section of our app, metrics were performed in real time by running highly optimized MongoDB queries over thousands of emails.
- Helped to integrate and build a new Email Sync Engine into our app, a GraphQL API that could be used for syncing emails
- Built (in app) notifications and mentioning features from scratch

Founder and Software engineer

FlashcardX, Buenos Aires, Argentina - January 2018 to May 2020

Designed and Coded the initial version of an online Learning platform based on multimedia flashcards stored on the cloud and pitched it to investors. Code: <https://github.com/flashcardx>

Technologies: AWS(S3, CloudFront, Lambda, Polly), Node.JS, react.JS, MongoDB, Redis, Bing Image Search, Digital Ocean

Full Stack Software engineer

Accenture - Buenos Aires, Argentina - June 2016 to April 2017

Worked as a Java EE web developer, building front and back end web applications for the accounting systems of one of Accenture's clients in Argentina: Grupo Telecom Argentina SA, also was in charge of managing deployments and migrations of the apps of our team.

Technologies: Java EE, Spring MVC, HIBERNATE, SQL, JavaScript, HTML, CSS, shell scripting

Biggest achievements:

- Built an .sh script for automating the deployment of Java webapps, deployment time went down from hours to minutes.

Education

- Computer Science Bachelor's Degree, University of London - 2020 to 2023
- Professional certificate of Artificial Intelligence, Stanford University - 2019 to 2020
- Deep learning Specialization, deeplearning.ai(Coursera) 2019 to 2020
- Data analyst nano-degree, Udacity - 2019
- Software engineering Degree(passed half classes, didn't graduate), Universidad Nacional de la Matanza - 2014 to 2018

+ Extras

- AWS Certified Solutions Architect - Associate