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Experience

zeroG GmbH, Frankfurt, Germany — 09/2019 – present

Data Scientist. Promoted to **Senior Data Scientist** in January 2021

Worked on a wide range of projects, including but not limited to:

- Building models to predict fuel consumption using XGBoost.
- Building content recommenders based on user click-affinity.
- Developing end-to-end recommender pipelines using AzureML and Databricks
- Creating dashboards and web applications using technologies such as D3.js, Flask and Plotly.
- Generating synthetic data using Unreal, Blender and Microsoft AirSim, and training a computer vision model with this data.

In addition to my responsibilities as a Data Scientist, I was also involved in:

- Recruitment: Conducted almost 80 technical interviews in the past one year for Data Science and Python Developer roles.
- Career Development: Part of the team developing company policies on training, mentorship, feedback and supporting employee career growth.

Logitech, Lausanne, Switzerland — 02/2018 - 08/2018

- ML Engineering Intern in the CTO team.
- Individual research project titled 'NLP for the creation of meeting artefacts'.

CERN, Geneva, Switzerland — 08/2016 - 01/2017

- Intern in the CERN Document Server team.
- Developed features for the new video player module Using Flask, Jinja2, Angular and PostgreSQL. Open-source project.

Leadership & Extracurriculars

LauzHack Founder and Main Organizer — 03/2016 - 02/2019

Founded EPFL's first global hackathon series. Main organizer of the 2016 event which had over 180 participants. Part of the organizing team in 2017, responsible for fundraising and participant experience. Vice-President of the Association in 2018.

GitHub Campus Expert — 06/2017 - 07/2019

Supported the student community by providing workshops, talks, encouraging out-of-class projects and mentoring at events such as hackathons and tech conferences.

Skills

Data Science & Viz: Python, Keras, Scikit-learn, Pandas, AzureML, Azure Databricks, D3, Plotly.

Development: Flask, JavaScript, HTML5, CSS3, Git, Agile.

Languages: English (fluent), French (intermediate), German (basic)

Education

EPFL, Switzerland — 08/2015 - 02/2019

M.Sc. in Computer Science with a specialization in Information Systems.

Master's Thesis: "Identifying Meeting Action Items through Sub-dialogue Detection". Grade 5.5/6

Courses included: Intelligent Agents, NLP, Applied Data Analysis, Machine Learning, Data Visualization, HCI.

Carnegie Mellon University, USA — 08/2014 - 12/2014

Study abroad. GPA: 3.73/4.00.

Courses included: Applied Computational Intelligence Lab, Creating Intelligent Robots, Mobile Robot Programming Lab.

Jacobs University Bremen, Germany — 08/2012 - 06/2015

B.Sc. in Computer Science. Class of 2015. GPA: 1.85 (1.00 is best, 5.00 is worst).

Personal Projects

Flight Review Analysis — 03/2020 - 04/2020

- Used Topic Modelling to identify clusters of topics within flight reviews and get a sentiment score for each cluster. Developed using Gensim, NLTK and huggingface libraries.

Amazin' Amazon Trends — 10/2017 - 01/2018

- Exploration of trends in Amazon product reviews across 20 years of data using Python, Pandas, and Numpy.

Flight Delay Visualizer — 09/2017 - 12/2017

- Series of visualizations of flight delays in the US built using javascript and D3.js

abcPay — 04/2017

- Cross-platform app developed at a hackathon in a team of 4 that enables parents to administer a child's daily allowance. Built using ionic, angular, typescript and node.js

DoctorBot — 09/2016 - 10/2016

- Chatbot developed at a hackathon in a team of 3 that converses with a patient to give a medical diagnosis. Built using Flask, Heroku, and Messenger, Twilio and Infer- medica APIs.

Awards

NYUAD Hackathon for Social Good 2018 - 2nd prize

FoodHack 2017 – 1st Prize in the Food Save challenge

MLH Prime EU, London 2017 – JP Morgan Prize

KairosHacks Barcelona 2015 – SkyScanner API prize.

jacobsHack! Winter 2014 - 3rd prize + USG sponsor prize.

Jacobs University - Merit based 30,000 Euro scholarship