# Adrian Molzon

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I've spent 7 years taking software products from 0 to 1, working cross functionally across data science, data engineering, backend, and front end development. I'm looking for a role where I get to continue working through tricky problems to build rewarding data products.

## Professional Experience

### Data Scientist/Tech lead                                          *August 2021 - Present (3 years)*
**Konux GmbH**

- Architected and built the production system for analyzing and predicting faults in railway operation equipment, resulting in 3 revenue generating pilot projects with large national rail operators
- Built an alerting system raising interesting use cases for clients, using AWS to pull data from DynamoDB, analyzing and sending alerts to an SES service
- Won a company-wide hackathon with a project collating and summarizing company data and technical documentation using RAG and LLMs

### Data Scientist/Software engineer                                *August 2019 - July 2021 (2 years)*
**Advaisor.io**

- Worked on the document analysis API in Python that improves customer service departments' client-facing documents, raising client's First Contact Resolution from 60% to 80% on average
- Worked cross functionally with the business, product, and tech teams to implement our first database in MariaDB as Advaisor successfully onboarded its first enterprise clients
- Built and productized natural language processing models using SpaCy and Tensorflow

### Software Quality Analyst                                          *June 2017 - July 2018 (1 year)*
**Waymo (Google Self-Driving Car Project Spin-off)**

- Analyzed hundreds of hours of simulation data to discover software regressions and diagnosed the faulty software components
- Ran Google Sheets analyses to determine trends in critical software failures of self driving software

### Materials Research Laboratory                              *March 2013  - September 2015 (2 years)*
**Laboratory assistant**

- Created linear regressions in Excel to measure the change in ionic concentration near single RNA strands

## Education & Certifications

**Data Science Program**
Data Science Program backed by ETH Zurich

- Deep learning and machine learning using scikit-learn/Tensorflow

**Bachelor of Science, Physics**
University of California, Santa Barbara

**Technology Management Program**
University of California, Santa Barbara

- Final project designing a go-to-market strategy for a novel product, including pitching to entrepreneurs in the Greater Los Angeles area

## Skills

- **Advanced**: Python, Pandas, Tensorflow, Scikit-learn AWS (Lambda, Glue, S3, SES) SQL, DynamoDB, NoSQL, Vector DBs Git, SonarCloud
- **Intermediate**: Javascript/typescript, docker, LLMs, FastAPI, SonarCloud, Jenkins
- **Basic understanding**: Terraform,  Elm