

nandan_rao

09.2018	DATA SCIENCE CONSULTANT @ WORLD BANK Developing and deploying platform to perform large-scale internet surveys and media interventions via chatbot on Facebook Messenger and Whatsapp.
04.2018	ADJUNCT PROFESSOR @ BGSE Teaching in the MSc. Data Science program: Text Mining for Social Sciences (word-count vectorization, continuous latent spaces, and neural embeddings), Economic Methods for Data Science (causality and transfer learning, potential outcomes, and causal graphs), Data Warehousing and Business Intelligence (SQL, warehousing, Spark, web dashboards), Computing Brushup (R, Python, and cloud computing).
06.2018 09.2018	INTERN @ OECD Science Technology and Innovation directorate, Economic Analysis and Statistics team. Co-led project to classify and measure A.I. in open source software. Used advanced NLP techniques (document embeddings via StarSpace) and positive-unlabelled classification algorithms to solve the constructed semi-supervised classification problem on Github repository readmes.
06.2017 08.2018	DATA SCIENCE CONSULTANT @ UN MIGRATION AGENCY (IOM) Designed, built, and put in to production a news-triaging application for the Missing Migrants project. Solution consists of dockerized microservices written in Clojure and Python that collect and classify articles from the web. Models range from basic n-gram text-classifiers to a Tree-Structured GRU RNN built on MXNet.
12.2015 10.2016	HEAD OF ENGINEERING @ RELINK Designed big data infrastructure from the ground up to serve a job recommendation engine over API to our customers. Built from Scala / Akka and NodeJS microservices supported by Kafka, Spark (batch and streaming), and Elasticsearch; all containerized, launched, and managed on mesosphere's DCOS (Mesos) and backed with a Parquet / S3 warehouse. Led team of 7 engineers and data scientists in implementation and delivery to market.
05.2015 10.2015	SOFTWARE ENGINEER @ SAY MEDIA Working on Tempest, a CMS/Publishing platform powering 400+ million page views per month. Led architectural design on a whole new system of highly customizable, modular, and extensible UI components built in Angular.
06.2012 08.2014	FOUNDER / HEAD OF PRODUCT @ SIMPLE MACHINE In addition to business development, led product team, personally in charge of all UX/UI design and all HTML/CSS development, while managing remote team of engineers working on Python/Django/PostgreSQL stack.
Current	PHD APPLIED ECONOMICS Universitat Autònoma de Barcelona
07.2018	MRES ECONOMICS Universitat Pompeu Fabra
07.2017	MSC DATA SCIENCE Barcelona Graduate School of Economics
12.2014	FULLTIME IMMERSIVE, JAVASCRIPT Fullstack Academy of Code
09.2010	BFA FILM AND TELEVISION PRODUCTION New York University