Pedro**Madruga**

✉ hello@pedromadruga.com | ▢ +45 91 95 21 82 | ♦ Frederiksberg, Denmark | ⚭ www.pedromadruga.com

Experience

JohnConnor.ai IVS - analytics and machine learning   *Copenhagen, Denmark*
FOUNDER & DATA SCIENTIST   *June 2020 – current*
- Client work - GrantCompass: improving recommender engine
- Client work - Karnov Group Denmark: analysis of user activity

Karnov Group Denmark A/S   *Copenhagen, Denmark*
SENIOR SOFTWARE ENGINEER & DATA SCIENTIST   *May 2017 – May 2020*
- Led project to improve search results using neural networks
- Collaborated on a recommender systems project
- Developed and timely delivered multiple applications (frontend and backend) using Javascript
- Lead the initial direction of the JavaScript-based application and development guidelines
- Participated on architectural decisions
- Implemented DevOps solutions using Docker and Google Cloud Platform

Occam.ooo   *Frederiksberg, Denmark*
FOUNDER AND SOFTWARE ENGINEER   *June 2013 – Present*
- Client work - Mobilab (Germany): Led team and project of a mobile app (using JavaScript)
- Client work - WithDipp (USA): Senior mobile engineer (JavaScript)
- Performed overall management of the company
- Design, Engineered and delivered mobile app (Nu Events) (https://nuapp.occam.ooo/)

colego.dk   *Copenhagen, Denmark*
LEAD DEVELOPER   *June 2016 – October 2016*
- Led local and remote team
- Reimplemented internal CMS using JavaScript

colego.dk   *Copenhagen, Denmark*
SENIOR FRONTEND ENGINEER   *July 2015 – May 2016*
- Lead frontend engineer (using JavaScript) and frontend architect
- Developed and delivered backend solutions

Unwire   *Copenhagen, Denmark*
FRONTEND DEVELOPER   *February 2014 – June 2015*
- Developed and timely delivered mobile app for Nordea
- Implemented internal mailing list manager

Competencehouse   *Copenhagen, Denmark*
FRONTEND DEVELOPER   *September 2013 – February 2014*
- Implementation of the Godialog platform

Copenhagenize Design Co.   *Copenhagen, Denmark*
DATA ANALYST   *November 2012 – August 2013*
- Analyzed data of cyclists' behaviour in Copenhagen
- Analyzed data for the Copenhagenize Index 2013
- Calculated environmental impacts of 30km/h zones

Skills

Javascript:	React, React Native, Redux, NodeJS, TypeScript, Webpack, Angular,, NextJS, Jest
Python:	Flask, FastAPI, Virtual Environments
Databases:	PostgreSQL, MySQL, MongoDB, Firebase, GraphQL
Machine Learning:	Pandas, Scikit-Learn, Pycaret, NLTK, Spacy, Tensorflow, Pytorch, Matplotlib
Cloud:	Docker, Kubernetes, Google Cloud Run, Google Cloud SQL, Amazon S3, Amazon RDS
Data Science / Data Visualization:	Jupyter notebook, Swifter, Matplotlib, Seaborn, Apache Spark

Education

Danmarks Tekniske Universitet   *Copenhagen, Denmark*

Course in Machine Learning   *October 2019 – December 2019*

Nova University Lisbon   *Lisbon, Portugal*

MsC in Environmental Engineering   *Sep 2006 – March 2012*

Projects

Raspberry Pi Cluster   *Docker Swarm, Nginx, Matomo*
                                                                    (analytics), Apache Spark
Homemade cluster with 4 nodes

Scope Creepers Podcast   *Audacity, Git*

Software Engineering best practices podcast   *http://scopecreeperspodcast.com*

Nu - Events Day   *React Native, Facebook API, NodeJS*

Mobile app that shows today's events in Copenhagen   *https://nuapp.occam.ooo*

React Native Copenhagen Meetup

Meetup.com group with several events hosted since 2017

Awards

June 2018   **React Europe, 3rd Place**, Mobile app in React Native for Q&A sessions

November   **WebSummit entrance**, due to open source contributions. Lisbon.
2017