

# Danni Dromi

DATA SCIENTIST · COMPUTER SCIENCE MSC.

«HIDDEN»

«HIDDEN» | «HIDDEN» | dromi | danni-dromi

*Data Scientist with 4 years dedicated experience (7 years total industry experience). Experienced at building models from data and putting them into production, in a client facing role. Passionate about everything Machine Learning and data.*

## Professional Experience

### GroupM

CLOUD DATA SCIENTIST/ENGINEER

Apr. 2020 - Jul. 2022

- Implemented on-site behavior based customer targeting strategies using Machine Learning.
- Consulting for clients of the bureau on Data Science & Data Engineering tasks.
- Created and improved products for novel marketing campaigns & strategies based on first party data.
- Worked cross-department to provide the bureaus with customized data-based marketing solutions.
- Achieved certification on Google Cloud. Most projects carried out in Googles Cloud environment.
- Most frequent Google Cloud services used: BigQuery, BigQueryML, AutoML, Cloud Functions, Pub/Sub, Firestore
- Used Microsoft Azure for certain client consultancy jobs.
- Most frequent Microsoft Azure services used: DataBricks, DataLake Storage, CosmosDB

### Paperflow

MACHINE LEARNING ENGINEER

Mar. 2018 - Apr. 2020

- Developing a Machine Learning solution to classify invoices by creditor and match these to a customer provided catalog
- Worked on a Machine Learning model for digitally flattening creased documents, based on methodologies from published academic research
- Developing scanner engine to perform automatic bookkeeping of invoices, including document recognition and classification
- Performing prototyping experiments using ML techniques such as: convolutional neural networks, transfer learning & natural language processing
- All programming work done in Python
- Using Tensorflow, Keras, Fastai, Jupyter Notebooks, Numpy, Scipy & Pandas for performing Data Science tasks
- Collecting and structuring data sets from multiple data sources as well as understanding and cleaning data
- Working with Google Cloud for manipulating stored data, handling virtual machines and training & deploying ML models

### Coinify

FULL STACK ENGINEER

Dec. 2016 - Mar. 2018

- Developer on a platform for facilitating bitcoin merchanting and trading
- Full-stack Node.js, TypeScript and PHP development work
- Working with AWS for manipulating stored data and deploying code to production

### Gamblify

SOFTWARE DEVELOPER

Nov. 2014 - Jan. 2016

- Full-stack developer of online casino games
- Created front end client using Javascript & Dart
- Made great extensions to existing server and game logic in Java

### University of Copenhagen

TEACHING ASSISTANT

Sep. 2011 - Nov. 2011 & Feb. 2013 - Jun. 2013

- Employed for the courses: *Datanet*, *Foundations of Computer Graphics & Human Computer Interaction*
- Co-responsible for course planing & development of programming assignments in Python and C++
- Responsible for execution of exercise classes, correction of assignments and general student guidance.

### Magasin Du Nord

STUDENT DEVOPS

Jan. 2012 - Sep. 2014

- Responsible for IT operations and support for all 6 Magasin stores in Denmark on weekday evenings and weekends.
- Developed further extentions for an existing piece of software for hand held scanners in C#

# Education

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## Google Cloud Certification

PROFESSIONAL DATA ENGINEER

Jun. 2020 - Jun. 2022

- Attest-id: F2TUNC
- Link to attest: <https://www.credential.net/4c80a182-e4d8-4c0b-8e55-1180970b287c>

## UCPH (University of Copenhagen)

MSC. IN COMPUTER SCIENCE

Nov. 2014

- Elective Project: Hybridization of mesh-free and mesh based simulation methods  
developed using MATLAB, grade: 10
- Studied a semester abroad (aug. - dec. 2013) at the *University of British Columbia*, Vancouver - Canada
- Master's Thesis: The Use of Moving Meshes for Segmentation and Registration of 2D Medical Imaging  
developed using C++, grade: 12

## UCPH (University of Copenhagen)

BSc. IN COMPUTER SCIENCE

Jun. 2012

- BSc. Project: Using Compounds of Convex Shapes in Interactive Rigid Body Simulation  
developed using C++, grade: 12

## Frederiksberg Gymnasium

MATHEMATICAL STUDENT

Jul. 2007

# IT-Skills

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## DATA SCIENCE & MACHINE LEARNING

- 4 years combined experience in Data Science & Machine Learning
- Using Python as main programming environment
- Utilizing methods and theory from published academic research
- Categorical classification on image data using (Deep) Convolutional Neural Networks & Transfer Learning.
- Image to image translation using encoder/decoder structured Neural Networks.
- Predicting on tabular data using classical ML models such as Linear Regression, Logistic Regression, Random Forest and XGBoost
- Performing data experiments using Natural Language Processing

**Machine Learning** TensorFlow, Keras, BigQueryML, AutoML, FastAI, PyTorch

**Data Science** Jupyter Notebooks, BigQuery, Numpy, Pandas, Databricks, Excell, matplotlib

## CLOUD ENVIRONMENTS

- Greatly experienced & certified using Google Cloud
- Experienced working with Microsoft Azure & AWS

**Google Cloud** BigQuery, BigQueryML, AutoML, Cloud Functions, AI Engine, Vision API, Pub/Sub, Firestore, Cloud Dataflow

**Microsoft Azure** Databricks, DataLake Storage, CosmosDB

**AWS** Elastic Beanstalk, S3, rds

## PROGRAMMING & DEVELOPMENT

**Greatly Experienced in:** Python, Javascript/Node.js, Bash Script, go, C++

- Experienced in scoping development projects & designing system architectures.
- Greatly experienced using the postgresSQL, Redis and MySQL databases

- Greatly experienced in developing and working with API's & REST services
- Greatly experienced in testing (unit & integration testing)
- Greatly experienced in performing code reviews and internal QA)
- Greatly experienced in using version control tools (Git & SVN)
- Experienced using Docker & Kubernetes
- Greatly experienced in using Linux(distros: Manjaro, Ubuntu, Antergos(Arch) & Mint)
- Familiarity with the Windows & Mac OS-systems on a superuser-level
- Experienced in editing text documents using LaTeX

## Additional

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**Languages** Danish (mother tongue), English (high professional level)

**Communication** Excellent written and verbal communication as well as presentation skills  
Experienced working in a client facing role

## Hobbies

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**Improv Comedy** Been taking classes and performing regularly for over 3 years.

**Creative Coding** Active member and co-organizer in the meetup group Creative Coding Copenhagen. Collaborator on an exhibition for the Oslo Triennale

**Crossfit** After more than 4 years it hasn't gotten any easier

**Motorcycling** Proud owner of a 2010 Honda Hornet

**Traveling** Last big trip totaled 8 months in Asia (Feb. 2016 - Okt. 2016)

**Diving** PADI Advanced Open Water certified. Completed 30 dives.

SKILL NAME/CATEGORY	LEVEL	EXPERIENCE	LAST USED
<b>Industry</b>			
Marketing	★★★★☆☆	2 years	2022
FinTech	★★★★☆☆	4 years	2020
Gaming & Entertainment	★★★★☆☆	1 year	2016
<b>Data Science &amp; Analytics</b>			
Machine Learning Engineering	★★★★☆☆	2 years	2020
Exploratory Data Analysis	★★★★☆☆	2 years	2022
BigQuery	★★★★★★	2 years	2022
ETL Pipelines	★★★★☆☆	2 years	2022
Keras	★★★★☆☆	2 years	2020
TensorFlow	★★★★☆☆	1 year	2020
Pandas	★★★★★★	4 years	2022
Databricks	★★★★☆☆	1 year	2021
(Py)Spark	★★★★☆☆	1 year	2021
Microsoft Excell	★★★☆☆☆	2 years	2022
<b>Development Language &amp; Technology</b>			
Python	★★★★★★	5 years	2022
Javascript	★★★★★★	4 years	2022
Node.js	★★★★★★	4 years	2022
Bash Scripting	★★★★☆☆	5 years	2022
C++	★★★☆☆☆	1 years	2014
Git	★★★★☆☆	8 years	2022
SVN	★★★☆☆☆	2 years	2014
Docker	★★★★☆☆	3 years	2020
Kubernetes	★★★☆☆☆	2 years	2020
<b>Platform</b>			
Google Cloud Platform (GCP)	★★★★★★	4 years	2022
Amazon Web services (AWS)	★★★★☆☆	2 years	2018
Microsoft Azure	★★★☆☆☆	1 year	2021
Linux	★★★★★★	10 years	2022
<b>Development Process</b>			
Continuous Integration/Continuous Deployment (CI/CD)	★★★★☆☆	5 years	2022
Testing (Unit + Integration)	★★★★★★	6 years	2022
Internal QA (Code Review)	★★★★☆☆	4 years	2021
Estimation	★★★★☆☆	4 years	2022
<b>Database</b>			
PostgreSQL	★★★★☆☆	5 years	2020
Redis	★★★☆☆☆	2 years	2020
MySQL	★★★☆☆☆	2 years	2018
SQL	★★★★★★	8 years	2022