

Dirk Hornung, PhD



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Languages

German	● ● ● ● ●
English	● ● ● ●
French	● ● ●
Spanish	● ● ● ●

Skills

Data Science	■■■■■
Frontend	■■■■■■■
Backend	■■■■■■■
Blockchain	■■■■
Prototyping	■■■

Data Science

Python, Tensorflow, Keras, Hadoop, Spark, Pandas, Numpy, Matplotlib, Deep Learning

Frontend

JavaScript, TypeScript, React, Angular, React Native, Redux, Flutter, CSS, HTML

Backend

AWS, NodeJS, Express, MySQL, PostgreSQL, MongoDB, DynamoDB, Serverless, Flask

Blockchain

Ethereum, Solidity, Smart Contracts, Token Economy, Decentralised Identity, ICO

Prototyping

Arduino, C++, Fusion 360, 3D-Printing, CNC, Electronics

Professional Experience

05/18 - 02/19

CYSAE - Legaltech Startup

CTO (2 Developers)

Utility Token for Cuatre Casas

Created an Utility Token, within the Ethereum Blockchain, that allows to buy legal services by paying with a Cryptocurrency.

Stamper

Created a web application that anchors documents in the Ethereum Blockchain, to establish secure contracts.

Boardchain

Developped a web application to remotly hold decentralised board meetings.

10/17 - 04/18

Alda - Fintech Startup

CTO & Co-Founder (1 Developer)

Alda Chatbot

Created a Fintech Chatbot that serves as a personal financial advisor.

Chatbot UI

Created a mobile app for the Chatbot, which has been integrated in serveral companies.

Education

10/15 - 07/19

Ph.D., Theoretical Physics, UAB (Spain) / AMU (France)

Thesis: The QCD Strong Coupling from Hadronic Tau Decays

10/14 - 09/15

M.Sc., Particle Physics, UAB (Spain)

Thesis: 1-Loop Anomalous Dimensions of 4-Quark Operators

10/11 - 09/14

B.Sc., Condensed Matter Physics, GU (Germany)

Thesis: Band Structure Studies of Graphene and Modified Graphene Structure

Awards

• Imagine Silicon Valley Finalist.

One of ten finalists of more than 500 applicants to be sponsored for a Silicon Valley trip.

• Winner: Imagine Developer Dreamer.

Got selected to participate in the "Imagine-Express-Train".

• Best Fintech Pitch

Awarded 1st price at Fintech Stage's event "Fintech War" of over +16 fintech startups plus a 1k€ cash price

• Winner Adidas Finals Hackathon

Created the "Adidasum" ICO for an API data marketplace.

• MetLife Iberia Financial Inclusion Award

Awarded a 4K€ cash price at MetLife Iberia to keep promoting Financial Inclusion.

• Winner Adidas Hackathon Barcelona

Created surveillance system to track and identify customer satisfaction.