Dirk Hornung, Ph.D.

City:	Barcelona
Date of birth:	October 5, 1991
Place of birth:	Fulda, Germany
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Professional Experience

May 2018 - Jan. 2019   **CYSAE**
CTO

Utility Token for Cuatre Casas, Certifying documents with the help of Ethereum, Enterprise Democracy on Chain
Tech: Solidty, Ethereum, Node, Express, React, Redux, GraphQL, Prisma, NoSQL, Docker, AWS S3
www.cysae.com

Oct. 2017 - Apr. 2018   **Alda**
CTO & Co-Founder

Fintech Chatbot helping Millenials in Financial Education

Python, NLP, AWS Lambda, Dialogflow, Facebook API, React, Redux, PostgreSQL, Serverless

Feb. 2017 - Sept. 2017   **WeGoLoco**
CTO & Co-Founder

Matchin Tinder with the Local Commerce
Swift, iOS, AWS S3, NoSQL

Education

2015 - 2019   Ph.D., Theoretical Physics, Autonomous University of Barcelona (Spain)
Thesis: The QCD Strong Coupling from Hadronic Tau Decays
Supervisor: Dr. Matthias Jamin
Created a numerical C++ fitting routine from scretch.

2014 - 2015   M.Sc., Particle Physics,Autonomous University of Barcelona (Spain)
Thesis: 1-Loop Anomalous Dimensions of 4-Quark Operators
Supervisor: Dr. Matthias Jamin

2011 - 2014   B.Sc., Condensed Matter Physics, Goethe University Frankfurt (Germany)
Thesis: Band Structure Studies of Graphene and Modified Graphene Structure
Supervisor: Prof. Dr. Roser Valentí

Skills

Blockchain	Ethereum, Solidty, Smart Contracts, Tokens economy, Decentralised Identity, ICOs
Data Science	Python, Pandas, Numpy, Matplotlib, Tensorflow, SVM, ANN, Mathematica
Frontend	Javascript, React, React Native, Redux, Spring, CSS, HTML
Backend	AWS, Node, Express, MySQL, Postgress, Node, DynamoDB, Serverless, Flask, Zappa, Django
Workflow	Git, NPM, Gulp, Webpack
Prototyping	Arduino, C++, Fusion 360, 3d Printing, CNC, Electronics
Marketing	Photoshop, Illustrator, Final Cut Pro, SEO, SEM, Wordpress, PHP
Soft	Leadership, Public Speaking, Motivating, Mentoring, Confidence, Energy

Languages

German:	native
English:	proficient
Spanish:	proficient
French:	intermediate
Hungarian:	basics