# Jesse de Gans

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## 👤 PROFILE

I started programming at the age of 12. I love to be creative, and I am always working on one or two side projects. I am very interested in mind breaking technology (blockchain / DLT , machine learning, etc.).

## 💼 WORK EXPERIENCE

📅 11/2021 – 04/2022  📍 SINGAPORE
### Blockchain Engineer
**FIRST**
- Laying the foundation of the First.one NFT live streaming platform.
- Created new subscription model by using PoS blockchains to deliver more value to the customer as well as the creator (both earn money)

📅 01/2021 – PRESENT  📍 AMSTERDAM
### Blockchain / DLT Engineer Intern
**Pyctor (ING Group)**
- Graduation project: Creating the Wallet Service enabling interoperability between the Pyctor DLT network and the Bitcoin Network
- Pyctor, in collaboration with ABN AMRO, BNP Paribas Securities Services, ING Bank, Invesco, Societe Generale – Forge, State Street, UBS, Citibank, and others, is a decentralized permissioned network that aims to provide digital asset safekeeping and transaction services, with a focus on regulated security tokens issued either on the private or public blockchain.

📅 08/2020 – 01/2021  📍 AMSTERDAM
### Blockchain / DLT Engineer Intern
**ING Group**
Part of the prestigious Pyctor project (Digital Assets Custody).
Responsible for the nodes orchestrating logic.
- Wrote the Pyctor node Transactions, node management & data management modules
- HSM & MPC threshold signing
- Consensus algorithms

## 💼 WORK EXPERIENCE

📍 ROTTERDAM, NETHERLANDS
### Project Manager & Blockchain Software Engineer
**Dutch Police**
Managed the PoliceCoin project (A democratic cryptocurrency-driven initiative platform)
- Wrote the Ethereum Based Coin (SmartContract).
- Created the backend service for processing the transactions and generating automatic wallets for initiatives.
- Responsible for project deadlines, scrum team performance and stakeholders communication.

📅 04/2019 – 06/2019  📍 ZWOLLE, NETHERLANDS
### Software Engineer Intern
**Wehkamp**
At Wehkamp, I learned how a big retail company keeps itself ahead of the competition by implementing the newest technology such as machine learning, micro services and scalability.

📅 04/2018 – PRESENT
### Founder
**DeGans**
Creating innovative projects for clients and myself.
- Apps have reached over 100k downloads in total.
- Currently working on two of my side projects: Password.watch(password leak detection) and Flavore (Connecting brands and creators).

📅 06/2017 – 08/2017  📍 ARNHEM, NETHERLANDS
### Software Engineer
**CITO (Central institute of Testdevelopment)**
Product lead, responsible for transferring my college graduation project to one of the CITO SE teams. BR is a program used by schools to get insights about reaching school goals.

📅 11/2016 – 06/2017  📍 ARNHEM, NETHERLANDS
### Software Engineer Intern
**CITO (Central institute of Testdevelopment)**
Part of the Wolf project (Product used by thousands of teachers to process results for high school finals).
Responsible for the functionality that calculates the point

## WORK EXPERIENCE

deduction for dutch exams.

## EDUCATION

**09/2021 – PRESENT**
### Master Computer Science and Science Communication & Society
**Leiden University**
Current GPA 8.7 (10 point system) or 4.0 (4 point US system) (May 15th 2023)

**09/2017 – 07/2021**
### Bachelor of Computer Science
**Windesheim University of applied sciences**
GPA 7.6 (10 point system) or 3.7 (4 point US system)

### Honours Program - Technology & Society
**Windesheim University of applied sciences**
The focus of the program was to see technology and society as one comprehensive entity to create a more all-inclusive product design. In the first half-year, we focused on different topics surrounding Technology & Society. In the second half-year, we designed the HealthPro UV Smartwatch (see projects).

## ACHIEVEMENTS

- Build a democracy driven blockchain application and currency for the Dutch Police.
- I made an application to watch videos together when I was 15 years old (before watch2gether was a thing).
- Made a Machine learning lego sorting machine in the second half of my first year at University.
- Led a team with whom I developed a watch that helps to prevent skin cancer as part of the Honours Program.
- Released multiple apps in the play store with over 100k downloads in total.

## STRENGTHS

\# Creative thinking     \# Competitive
\# Strategic problem-solver
\# Presentation & Professional speaking     \# Activator
\# Futuristic     \# Arranging

## SKILLS

ⓘ LANGUAGES
| | |
|---|---|
| English | **Professional** |
| Dutch | **Native** |
| German | **Limited** |

ⓘ PROGRAMMING LANGUAGES
| | |
|---|---|
| Go | **Proficient** |

## SKILLS

ⓘ PROGRAMMING LANGUAGES
| | |
|---|---|
| C# | **Expert** |
| Python | **Prior Experience** |
| Java | **Proficient** |
| Javascript | **Proficient** |
| Solidity | **Prior Experience** |

## PROJECTS

**2019**
### HealthPro Watch
#creativity
Keep track of your UV exposure and ahead of skin cancer. The goal of the HealthPro Watch is to prevent excessive exposure to UV radiation and thereby limit the risk of early stages of UV-related skin cancer (which is now at a ¼ chance for someone with blonde/red hair and white skin above 50). This project was part of the Honours Program Technology & Society. After coming up with a couple of ideas to help Technology & Society, we ended up going for my idea - the HealthPro Watch.

**2020**
### Password Watch
Password Watch is a password leak detection system that prevents companies of getting hacked by notifying about possible leaks of their employees. I plan on launching this product in Q1 2021.

**2018**
### Lego bricks sorting with machine learning
#Python #UniversityContest
We won the sorting robot contest. I came with the idea that we may make this project somewhat more interesting by using computer vision and Machine Learning to recognize the bricks. My team agreed, and I started researching different machine learning techniques and implementing random forest in Python. It would train itself with images to recognize lego bricks later on.

**2014**
### Break the Distance
#javascript #realtime #webRTC
Build a realtime video sync application with WebRTC (I know, now we have WebSockets).
Break the Distance is a javascript application that allows you to watch a movie together in sync without the need to be in the same room. As I was only 15 years, I never did a commercial release which I kind of regret because that would've made my tool the first since Watch2Gether wasn't released for another two years.