



# LUCAS LE RAY

Machine Learning Engineer

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13001 Marseille, France

## PROFILE

- Machine Learning Specialist certified by **AWS**
- Currently working as **CTO**
- Co-founder of Shelt.in, a multi-awarded IOT solution for firefighter safety
- Graduate in **Computer Science**
- Alumni of **EPITECH (France)** and **UC Berkeley**
- Project and team management experience

## EXPERTISE

- Cloud Technologies (AWS)
- Machine Learning & Deep Learning
- Python & PySpark
- Project & team management

## AWARDS

- Startup Weekend Aix-Marseille 2019
- Frederic Chevalier 2019
- Science & Vie 2020
- Epitech Experience 2021

## HOBBIES

- Reading (psychology, sociology, ...)
- Building side projects
- Technical blogging
- Startup competitions and hackathons
- Boxing

## LANGUAGES

- **French** : Native Language
- **English** : TOEFL IBT 92



## WORK EXPERIENCE

### Chief Technical Officer (CTO) @ Transpare

Jul. 2020 - Today

- Managed IT projects and the technical team (5 developers and 1 product owner)
- Built a Web Scraper retrieving thousands of data points per week, using AWS & Node.js
- Built an anomaly detection model used on 100 records per month, using the Random Cut Forest algorithm and AWS Sagemaker

### Full-stack Software Engineer @ Transpare

Oct. 2018 - Oct. 2019

- Development from scratch of a Serverless GraphQL API with Node.js
- Installation and use of Amazon Web Services (AWS), including RDS, Lambda, API Gateway, Cognito, Route 53, S3, CloudWatch, SQS, Sagemaker and CloudFront
- Installation of a MySQL database and Prisma ORM
- Installation of a CI/CD process (CircleCI) and automated tests (Cypress)

### Data Engineer Intern @ Yuzu

Jul. 2017 - Dec. 2017

- Built a Web Scraper retrieving up to 100.000 data points daily, with Node.js and Docker
- Created and deployed a Data Pipeline to manage data streams generated by the Web Scraper
- Used a linear regression algorithm to target up to 200 companies per week to become customers, using Python and SciKit-Learn



## EDUCATION

### Epitech Graduate Diploma in Information Technology @ Epitech Paris

2021

Grade Point Average (GPA) of **3.45/4.00**

- Learned algorithms and data structures, as well as the fundamentals of Machine Learning
- Learned programming (C, Python, SQL)
- Hub Innovation president

### Certified Machine Learning - Specialty @ Amazon Web Services

2021

- Data Engineering
- Exploratory Data Analysis
- Modeling
- Machine Learning Implementation and Operations

### Exchange Student @ UC Berkeley & CSU Long Beach

2019 - 2020

Grade Point Average (GPA) of **3.81/4.00**

- Leadership, Negotiation and Project Management classes at UC Berkeley
- Marketing, Negotiation, Advanced Oral Presentation and Persuasive Speaking classes at CSU Long Beach