

# ALEX CHARRIER SOFTWARE ENGINEER

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**Master of engineering student** specialized in Software Engineering looking for a 6-month final-year internship, available in **April 2019**.

## TECH EXPERIENCE



### Software engineer intern

March 2018 - September 2018

@Datadog NYC, SaaS monitoring for cloud-scale applications

- Working on the Application Performance Monitoring product in the back-end team
- Building distributed, high-throughput, real-time data pipelines in Go and Python, and making Datadog's API faster and more reliable for customers
- Building a new service from scratch, unveiled at Datadog's annual conference

Python · Go



### Developer & agile prototyper

July 2017 - March 2018 @ParisDigitalLab

Agile prototyping at the @ParisDigitalLab Incubator, developing three minimum viable products in a 7-week constraint for real-world businesses, using scrum method.

### MyWay for CentraleSupélec

CentraleSupélec, leading French Engineering school

- Building a web platform to register students choices on their courses and optimizing results to maximize happiness

Node.js · Express · PostgreSQL · OAuth2

### Messenger chatbot for Crédit Agricole

Crédit Agricole, 2<sup>nd</sup> French banking network

- Creating a virtual banking assistant on Facebook Messenger for day to day operations
- Developing relevant and innovative functionalities for clients adapting them to Messenger options and requirements

Typescript · Express · Messenger API · PostgreSQL

### MixTorque for Vallourec

Vallourec, world leader in premium tubular solutions

- Developing a web and mobile application to guide Vallourec's clients through their product base
- Dealing with a massive amount of combinations between references
- Deploying the solution on their servers

Node.js · Express · React · MongoDB · AWS



### Developer & support agent

September 2017 - March 2018

@Heetch, French startup developing a ride-sharing app for late night party-goers

As a student job, taking part of the passengers and drivers support team at Heetch :

- Developing scripts to automate support processes
- Helping customers to reach the best experience with the service

Zendesk · Javascript

## TECH SKILLS

### Back-end

Python · Go · NodeJS · Express · GraphQL

### Databases

PostgreSQL · Redis · Cassandra · MongoDB

### Data Science

NumPy · Pandas · Sklearn

### Miscellaneous

AWS · Git · Slack API · Arduino · Raspberry Pi

## EDUCATION

### Master of Engineering Student

2015 - Present @CentraleSupélec

CentraleSupélec is an elite Engineering School, member of France's Grandes Ecoles, based on a highly selective admission process.

**Digital Tech Year:** Admitted to the digital technology specialization program at Paris Digital Lab. Consists of one semester of design thinking and coding at the school incubator, developing projects for French Organizations, plus one semester international work experience: internship in a leading high tech company.

Relevant courses: Computer Science, Design Thinking, Agile Methodology, Continuous Integration, Algorithms & Programming, Digital Communications and Networks, Machine Learning...

Intensive preparation course (2013-2015) in Math, Physics and Computer Science for the highly competitive entrance exams to the Grandes Ecoles.

## LANGUAGES

### French

Native

### English

Advanced

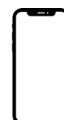
### Spanish

Upper-intermediate

### Sign Language

Low Intermediate

## INTERESTS



Technology



Rowing



Reading