

# Benjamin Derville

CS Student - Full-stack Engineer | Data Science

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## LINKS

Website:// [benderv.com](http://benderv.com)  
Github:// [benderv](https://github.com/benderv)  
Twitter:// [@ben\\_derv](https://twitter.com/ben_derv)  
Quora:// [Benjamin-Derville](https://www.quora.com/Benjamin-Derville)

## LANGUAGES

French : native  
English : fluent  
Spanish, Chinese : notions

## COURSEWORK

School:

Neural Networks • Signal Processing •  
Image processing • Programmable  
Architecture • Embedded System

Online Courses:

Machine Learning • Artificial Intelligence  
Design of Computer Programs • ...

## SKILLS

### PROGRAMMING

Python:

Keras • Scikit-learn • Pandas • Numpy •  
Flask • Django

Javascript:

Express • Node • Angular • Meteor •  
React

Java:

Android • Qt-Jambi

Others:

HTML5 • CSS3 • VHDL • Bash  
C/C++ • Octave/Matlab • Rust

## HOBBY

Sports:

Running • Swimming • Krav Maga • Boxe  
• Skiing

Adventures:

Backpacking • Hiking

Reading:

Science fiction • Biography • Self-help

Others:

Drawing • Drinking

## EDUCATION

### UNIVERSITÉ DE TECHNOLOGIE DE TROYES SYSTEMS, NETWORKS AND TELECOM

Jan 2014 - Present | Troyes, FR

Mobile technologies and embedded systems specialization

### UNIVERSITÉ DE TECHNOLOGIE DE TROYES | COMMON CORE CURRICULUM

Sept 2011 - Jan 2014 | Troyes, FR

Mathematics, Physics

### FRENCH BACCALAURÉAT SCIENTIFIQUE | WITH HIGHEST HONORS 2011 | Lycée Frédéric Ozanam, FR

Specialization in mathematics and engineering

High School Diploma equivalent

## EXPERIENCE

### WIREDCRAFT | INTERNSHIP

Feb 2015 - Jul 2015 | Shanghai, CN

- Full-stack Developer & Product Manager
- Worked on the Myanmar First Election.

### BUZZCAR INC | INTERNSHIP

July 2013 - Aug 2013 | Paris, FR

- Front-end development
- Visual communication & Blog

## PROJECTS

### SELF-DRIVING CAR | MACHINE LEARNING & EMBEDDED SYSTEM PROJECT

2016 | BenderV/self\_driving\_car

Creation of a mini self-driving car.

[Python, OpenCV, Tensorflow]

### OUTLIERS | DATA SCIENCE PROJECT

2016 | Unpublished

Tennis outcome predictions to bet online. Currently better prediction rate than the crowd by 3%, building the software to automate betting.

[Pandas, Keras, Numpy]

### PRISONER DILEMMA | MACHINE LEARNING EXPERIMENTATION

2014-2015 | BenderV/PrisonerDilemma

Experiment to find Game Theory Equilibrium with Machine Learning agents on the prisoner's dilemma.

Almost all equilibrium found.

[Tensorflow]