

# Andrea Cognolato

Computer Engineering student - Politecnico of Turin

[github.com/mrandri19](https://github.com/mrandri19)  
[mrandri19.github.io](https://mrandri19.github.io)  
(+39) 349 848 0777  
[andrecogno@hotmail.it](mailto:andrecogno@hotmail.it)

## EXPERIENCE

### Upwork, Remote— *Freelance Software Developer*

September 2017 - Present

Design and development of backend and frontend web applications using HTML, CSS and JavaScript.

I have developed of a pool, a block explorer and made various modifications to the daemon of a cryptocurrency (PURK) based on Boolberry (BBR). I have mainly worked in C++ and Javascript, both working on legacy code and creating new systems.

I have also managed the deployment of these systems on Linux VPSs hosted by Digital Ocean and AWS (Amazon Web Services) cloud services.

## EDUCATION

### Galileo Ferraris Scientific High School, Turin

September 2012 - July 2017

Final grade: 93/100

### Politecnico of Turin - Computer Engineering

October 2017 - Present

Current GPA: 26.86/30 (3.58/4)

## PROJECTS

### BOSCH Mobility Hackathon— Python, Typescript

I have participated to a Hackathon with the aim to find a solution for traffic, parking, multimodality, and accessibility issues for the city of Milan.

We have analyzed the data from the sources provided by the organizers using Python+Jupyter, AWK, and SAS to validate our idea: a car pooling service for children who attend the same school. We then built a proof of concept using React, Bootstrap and the TomTom Api.

### [HowMuchOfNpmCanYouBreak.tk](https://HowMuchOfNpmCanYouBreak.tk)— Rust

I have developed a web application to check how many packages on the npmjs.com package index will fail to build if one of their dependencies is removed.

It required parsing a 1.6GiB JSON file to build a tree of dependencies and then traversing that tree, which was an interesting algorithm design challenge.

## AWARDS

### Young Talents Program

(Politecnico of Turin) -

September 2017 - Present

Excellence program dedicated to the top 5% of the students of each academic year.

1<sup>o</sup> place - Science Fair 2015

Project title: "Non Ionizing Radiations".

1<sup>o</sup> place - informatics

olympiad - Galileo Ferraris

2016 Because of this victory I

qualified for the national

selections of the olympiad.

## LANGUAGES

Italian, Native speaker

English, First Certificate in English C1. 184/190

French, DELF A2, 87.5%