

# Andrea Cognolato

Computer Engineering student - Politecnico of Turin

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## 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

### Politecnico of Turin - Computer Engineering

October 2017 - Present

Current GPA: 28.5/30 (3.8/4)

### Galileo Ferraris Scientific High School, Turin

September 2012 - July 2017

Final grade: 93/100

## 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.

### How much of npm can you break — 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.

Many other projects can be found on my [github](https://github.com).

## 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%