

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

Galileo Ferraris Scientific High School, Turin

September 2012 - July 2017

Final grade: 93/100

Politecnico of Turin – Computer Engineering

October 2017 - Present

Current GPA: 28/30 (3.73/4)

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](#)— 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^o place – Science Fair 2015

Project title: “Non Ionizing Radiations”.

1^o 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%