Andrea Apicella

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SUMMARY

Multimedia Science and Technology student with background in Computer Science.
Passionate about web development and constantly willing to learn new technologies on my own.
Currently I look forward to learning:
- Typescript
- A front end-framework (React or Vue)
- Node.js

SKILLS

HTML, CSS (Flexbox & Grid), Bootstrap, Javascript, PHP, MySQL.

Version control with Git and Github.

Basic knowledge of C and Java. Understanding of the benefits of a strongly typed language. Some experience with memory allocation, pointers, lists.

Linux command line basics.

Graphic Design, UI Design (Adobe Photoshop, Adobe XD).

COURSEWORK

Client-Server Communication
AJAX, PHP, Mysql, XAMPP
Sending HTTP requests (even Asynchronous) to a php file and handling responses. Creation of a CRUD system: records submitted through html form, received from the php file and stored into a db. The html page is then updated to show the records stored in the db. The user can delete or update the content of each record.

Creative Computing
Javascript, P5.js
Images and video manipulation by accessing single pixel values. Creation of a motion detection algorithm applied to a video capture live stream. Handling particles through Javascript Classes and Objects. Perlin noise applied to particles movement. Fast fourier transform to isolate individual audio frequencies and make objects respond to their variation. Manipulation of 3D primitives using WEBGL.

Data & Statistics
Matlab
Reading a dataset, sorting alghoritms, statistical functions and trasformations like variance, covariance, deviance, standardization and more.

Game Programming
Computer Science · Corona SDK, Lua
Creation of 2D Games in Corona SDK environment using physics, collisions, camera movement and tracking.

EDUCATION

About to graduate in Multimedia Science and Technology
Università degli Studi di Udine · Pordenone, PN · 2019

High School Diploma
Liceo Scientifico Bruno Touschek · Grottaferrata, RM · 2015

EXPERIENCE

Web content creator
Prophecy Tech by NextHardware **May 2017 - June 2018, Rome**
Branded Content, Videomaking, Graphic Design, PR, Customer Care.
I worked with top brands like Gigabyte, Razer, Corsair and covered some of the most important tech Events like Mobile World Congress in Barcelona and Computex in Taipei.

Reporter – Videomaker Freelance
Ansa.it **September 2016 - May 2017, Rome**
Technology news and videos.