# EMIL-DANIEL CIOVICĂ

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in Emil Daniel Ciovica

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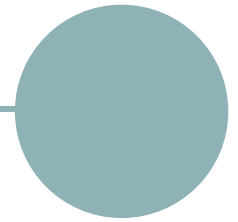
## Education

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|---|---|
| **09/2016 - 07/2020 (expected graduation)**<br>**University Politehnica of Bucharest, Romania** | ● **Faculty of Electronics, Telecommunication and Information Technology:** Bachelor of Engineering instructed in English, GPA: 8.9 / 10<br>Courses: OOP, Calculus, Linear Algebra, Algorithms and Data Structures, Microprocessors, Electronic Devices, Digital Signal Processing |
| **08/2019 - 05/2020**<br>**Åbo Akademi University, Turku, Finland** | ● **Faculty of Science and Engineering:** Erasmus+ exchange student<br>Courses: Data Analytics Software, Machine Learning, Graph Algorithms |
| **09/2012 - 07/2016**<br>**Romanian Diploma of Baccalaureate** | ● **National Bilingual College "George Cosbuc":**<br>GPA: 9.4/10<br>Profile: Science, Mathematics-Informatics |

## Experience

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| **06/2019 - 09/2019**<br>**Research at Åbo Akademi**<br>Intern | ● worked in a **team of 5** to **predict the accuracy** of standard medical treatment lines available for multiple myeloma, in order to suggest optimal treatment<br>● **Process:** data exploring and automatic learning with logistic regression, Feature Selection and Principal Component Analysis<br>● **Currently continuing this research project as my Bachelor Thesis.** |
| **07/2017 - 06/2018**<br>**HPE Aruba**<br>Presales intern | ● Used the HPE networking tool IRIS to implement various networking designs<br>● Responsible for switch configuration<br>● Participated at HPE Aruba Technical Summit in Netherlands |

## Projects

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|---|---|
| **10/2019 - present**<br>**Project on Glioblastoma** | ● A Random Forest algorithm project, which was trained on a medical dataset consisting of Raman Specters of patients with Glioblastoma |
| **09/2019 - present**<br>**Uniwalker (team of 5)** | ● Angular application that implements an innovative marketing strategy, sending push notifications to people in proximity of campaigns. My role was to integrate an open-source map in the project. I worked with Angular, Firebase and MapBox. |
| **09/2019 - 11/2019**<br>**YaaS** | ● Web application in Python and Django simulating an auctioning system. A user can authenticate, add and edit auctions and bid for existing auctions. |
| **09/2018 - 02/2019**<br>**IoT project** | ● Autonomous greenhouse able to keep the temperature and humidity between certain ranges with sensors and Arduino board |
| **09/2017 - 02/2018**<br>**Wien Bridge Oscillator** | ● OrCad design of a Wien Bridge Oscillator which I mounted on a printed circuit board using the Surface-Mount Technology method |

## Technologies

● Python, Pandas, scikit-learn, Keras, Matlab, SQL, C/C++
● HTML/CSS, Angular, Firebase, MapBox
● Verilog, Assembly, Arduino, Git

## Courses

● Machine Learning Course instructed by Andrew Ng on Coursera
● Neural Networks and Deep Learning Course instructed by Andrew Ng on Coursera

## Hobbies

● Professional dancer: competed in numerous national and international competitions
● Sports: martial arts, kayak-canoeing, swimming, basketball, football
● Astrophysics and Cosmology

## Awards

● Mobile Pro Competition: 3rd place (Hackathon)
● "Valcea" Cup 4th Edition: 1st place (Dance competition)
● Dance Stars Cup: 1st place (Dance competition)