Benetou Smaragdi

Electrical and Computer Engineer Undergraduate

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Education

National and Technical University of Athens, Department of Electrical and Computer Engineering (Undergraduate 2018-) with focus area Machine Learning, Signal Processing, Software, Robotics, and Control.

Homo Educandus (2017-2018, Isthmia Korinthos)

High School of Agioi Theodoroi (2016-2017, Agioi Theodoroi Korinthos)

Burnaby North Secondary School (2014-2016, Vancouver)

Alpha Secondary School (2013-2014, Vancouver)

Work Experience/Volunteering

Part-Time job at Noetik as a programmer (September 2021-)
Software Skills   Currently working on a web app called Ergonnect that is designed using MVC with ASP.Net, C# programming language, with server Windows Server – IIS, database management system Microsoft SQL Server, Jquery and Bootstrap for the client side design. I undertake projects on any of the different parts of this app and in the last six months I am the only one working on this web app.

Prom Racing Driverless Team Member (January 2022- ,)

Software Skills   Member of the team planning the driverless design of the vehicle. Working on Neural Network projects specifically Object Detection with yolov5 and Keypoint Detection. Experience with multi-GPU cluster, python and python package PyTorch.

Prom Racing Electronics Team Member (September 2020- January 2022,
https://promracingteam.com/el/ **)**

Software Skills   Designed the team's telemetry website and database. The website allows for live plotting of the data that the sensors in the car send wirelessly to the server. The server then is connected to Influxdb where they are stored in the team's database. Grafana is used to get through iframes the plots that are generated either by influxdb or by http requests that the server makes to grafana to send the data live and thus creating a live data source. I implemented the server side using node.js and python, the real-time communication between server-client using socket.io and a basic protection system with passport.js. The client side was implemented with javascript in an ejs template and css was used for the graphics. Thus, I

Hardware Skills	have a strong base in the above-mentioned software tools. Experience in ESP86, CANBUS, Arduino, electronic circuits, digital circuits
Knowledge	Member of the team that prepares for the quizzes that we have to take in order to qualify for competitions. The nature of the quizzes is mainly theoretical exercises on electrical and mechanical engineering subjects.

Volunteer at Singularity University Greece Summit Member of the production team (5 October, 2019 – 12 November, 2019)

Distributing Newspapers (BurnabyNow) (September 2014 – June 2016)

Volunteer at Vancouver Buskerfest (2015 Buskerfest)

Volunteer at European Festival (2015 European Festival)

Volunteer at the Telus Science World (October 20-27, 2015)

Additional Skills

Languages	English: C2 (Certificate of Proficiency ECPE) Mandarin: A2 (1 year at the national and Kapodistrian University and 2 completed courses at Burnaby North Secondary School)
Communication Skills	Active listener, able to pay close attention to what a person is saying respectfully. This trait I acquired in my volunteering experiences where during the different problems that would occur the key to effective response was listening to another person's idea with an open mind.

Non-verbal Communication, something I learnt how to use and how to interpret during my years in Canada. where I had to communicate in a foreign language so I frequently relied on my non-verbal skills to convey my message.

Clarity and concision, which is a trait I acquired through my field of study (math and the sciences) where you learn to state your opinion clearly and to the point achieving thusly a constructive discussion. |
| **Organisational / managerial skills** | Planning: I am a goal-setter with step-by-step planning of achieving those goals

Positivity/Motivation: I am passionate about my area of study thus I am always positive and motivated when I work on something related to it and in a team I pass this excitement to my peers

Decision making: In the workplace I take into consideration everyone that is affected by the decisions I'm planning to make and I choose the one that is the most beneficial for all parties |

Awards/Distinctions

Principal's Honour Roll High School Award (Burnaby North Secondary School)

Work Ethic Distinction High School Award (Burnaby North Secondary School)

Avogadro Would be Proud High School Award

Award of Excellent Achievement in Mandarin 10 and Mandarin 9

Certificate of Distinction at the Pascal Contest by the centre for Education in Mathematics and Computing

Other interests

Hiking and Camping

Working Out

Singing