



Europass Curriculum Vitae

Personal information

First name(s) / Surname(s) **Filippo Di Cecca**

Address(es) Viale Oceano Atlantico 18
00144
Rome
Italy

Telephone(s) 065916529 Mobile | 3496801641

E-mail(s) filippo.dicecca@fastwebnet.it

Nationality Italian

Date of birth 15/05/1982

Gender Male

Desired employment / Occupational field **System engineer and project management.**
Interested in TLC (mainly satellite based), radar, antennas and microwaves.

Work experience

Dates 01/05/2007 →

Occupation or position held Consulent System Engineer

Main activities and responsibilities Development of a software simulator both to evaluate new methods to improve the spectral efficiency in spatial environment and to design a new modem for DVBS2 applications.

Name and address of employer Space Engineering S.p.A.

91, Via dei Berio, Rome-00155 (Italy)
Phone : +39-06-22595-1
Fax: +39-06-2280739

Contact Point
Dr. Ing. Luca Cellai
E-mail: luca.cellai@space.it

Supervisor:
Dr. Ing. Gennaro Gallinaro
E-mail: gennaro.gallinaro@space.it

Type of business or sector telecommunication, navigation, environmental monitoring, GIS development, tele-medicine and SAR applications

Dates 01/06/2006 - 01/03/2007

Occupation or position held Internship during thesis development

Main activities and responsibilities

- I studied and analyzed the Signal Processing techniques (spatial map system) currently used by the radar, with particular reference to the disturbance studied in the thesis
- I proposed updates for the present map system to increase the performance in cancelling the disturbance itself
- I proposed alternative solutions to recognize and cancel the "angel" disturbance

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| Name and address of employer | SELEX SI Headquarters Address: Via Tiburtina km 12,400 - 00131 - Rome (RM) Telephone: +39 06 41501 Fax: +39 06 4131436 |
| Type of business or sector | Radar development and deployment |
| Dates | 01/10/2005 - 01/04/2006 |
| Occupation or position held | Grant Scholarship: university library helper |
| Main activities and responsibilities | Update the university database with the owned issues of each magazine in the library. |
| Name and address of employer | "Tor Vergata" University, College of Engineering : Via del Politecnico 1 - 00133 Rome Secretary of Presidency: tel. 06 7259.7118 |
| Type of business or sector | University, education |
| Dates | 01/10/2004 - 01/10/2005 |
| Occupation or position held | Grant Scholarship: educational assistant |
| Main activities and responsibilities | Solve any kind of operating logistic problems in the assigned University buildings. |
| Name and address of employer | "Tor Vergata" University, College of Engineering : Via del Politecnico 1 - 00133 Rome Secretary of Presidency: tel. 06 7259.7118 |
| Type of business or sector | University, education |
| Dates | 2004 - 2004 |
| Occupation or position held | Staff member at ISSPIT2004 (IEEE, The IEEE Symposium on Signal Processing and Information Technology) |
| Main activities and responsibilities | Support interface between local organization and foreign hosts. Logistic problems' solver. |
| Name and address of employer | IEEE and "Tor Vergata" University of Rome |
| Type of business or sector | High Technology |
| Education and training | |
| Dates | 29/10/2004 - 01/03/2007 |
| Title of qualification awarded | Master of Science in TLC Engineering with full marks and honour (110/110 cum laude) |
| Principal subjects / occupational skills covered | Experimental degree thesis: "Characterization of the Angels' phenomenon, analysis and proposal of cancellation techniques" (supervising professor G.Galati, co-supervising professor ing. A. Protopapa of SELEX SI, internship at SELEX SI) |
| Name and type of organisation providing education and training | "Tor Vergata" University, College of Engineering : Via del Politecnico 1 - 00133 Rome Secretary of Presidency: tel. 06 7259.7118 |
| Dates | 01/10/2001 - 29/10/2004 |
| Title of qualification awarded | Bachelor of Science in TLC Engineering with full marks and honour (110/110 cum laude) |

| Principal subjects / occupational skills covered | Experimental degree thesis and software simulatore development: "Characterization of noise in atomic clocks and generation of noise sequences" (supervising professor G. Galati, co-supervising engineer M. Gasbarra, published as a "Volterra Report" from University of Tor Vergata – Rome with Galati and Gasbarra as co-authors). TLC basis were studied (SP, TLC systems, maths and phisics) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---------------|-----------------|--------------------|-----------------|-------------------|-----------------|---------|-----------------|---------|--|-----------|--|---------|--|--------------------|--|-------------------|--|--|--|----|-----------------|----|-----------------|----|-----------------|----|-----------------|----|-----------------|
| Name and type of organisation providing education and training | "Tor Vergata" University, College of Engineering : Via del Politecnico 1 - 00133 Rome Secretary of Presidency: tel. 06 7259.7118 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dates | 09/1996 - 07/2001 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Title of qualification awarded | Diploma Liceo Classico (100/100 full marks) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Name and type of organisation providing education and training | "F. Vivona" High School, Rome | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Personal skills and competences | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mother tongue(s) | Italian | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Other language(s) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Self-assessment <i>European level (*)</i> | <table border="1"> <thead> <tr> <th colspan="4">Understanding</th> <th colspan="4">Speaking</th> <th colspan="2">Writing</th> </tr> <tr> <th colspan="2">Listening</th> <th colspan="2">Reading</th> <th colspan="2">Spoken interaction</th> <th colspan="2">Spoken production</th> <th colspan="2"></th> </tr> </thead> <tbody> <tr> <td>C2</td> <td>Proficient user</td> <td>C2</td> <td>Proficient user</td> <td>C2</td> <td>Proficient user</td> <td>C2</td> <td>Proficient user</td> <td>C2</td> <td>Proficient user</td> </tr> </tbody> </table> <p>(*) <i>Common European Framework of Reference (CEF) level</i></p> | Understanding | | | | Speaking | | | | Writing | | Listening | | Reading | | Spoken interaction | | Spoken production | | | | C2 | Proficient user | C2 | Proficient user | C2 | Proficient user | C2 | Proficient user | C2 | Proficient user |
| Understanding | | | | Speaking | | | | Writing | | | | | | | | | | | | | | | | | | | | | | | |
| Listening | | Reading | | Spoken interaction | | Spoken production | | | | | | | | | | | | | | | | | | | | | | | | | |
| C2 | Proficient user | C2 | Proficient user | C2 | Proficient user | C2 | Proficient user | C2 | Proficient user | | | | | | | | | | | | | | | | | | | | | | |
| English | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Social skills and competences | Ability to work individually and in team, acquired both while writing the two thesis and in university team project works and while working at Space Engineering. Easiness in establish good work relationship both with Italians and with English speaking people. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Organisational skills and competences | Good experience in project management and system approach acquired while working at Space Engineering. Demonstrated capability of solving any kind of practical problems, acquired while working for university and in ISSPIT2004. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Technical skills and competences | Capability of understanding in a short time new technical problems. Demonstrated attitude in problem solving, both offering new solutions in thesis development and in the current working position. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Computer skills and competences | COMPUTER SKILLS •Theory of the operating systems (university courses) •Good knowledge of: -Windows (95, 98, Me, XP, Vista) -Office suite •Assembler programming skills (university courses): -ST7 (ST Microelectronics) -MIPS32 •Programming skills in: -C++ (used intensively at work) -HTML(learnt at university and studied in autonomous way while writing internet sites for myself and other people) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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| | <ul style="list-style-type: none"> •Computer networks (university courses and set up of Local Area Networks - LANs) •Database theory and knowledge of SQL database (as user and programmer - university courses and part-time work experience) |
| | <p>TOOL SKILLS</p> <ul style="list-style-type: none"> •Matlab - programming and simulation •4Nec2 - design of a microwave antenna for an exam •MySQL - integration of MySQL with a C++ program |
| Artistic skills and competences | <ul style="list-style-type: none"> •Amateur in playing piano and flute. •Skilled listener of classical music, opera and argentinian tango. •Semi-professional tango dancer. <p>(a few exhibitions in roman circuit).</p> |
| Other skills and competences | <ul style="list-style-type: none"> •Role-playing game •Sail: small sailing boats (deriva), windsurf •Swim and field hockey |
| Driving licence(s) | B |
| Additional information | <p>Exempt from Military Service (according to the law)</p> <p>Bachelor thesis published as Univerity report ("Volterra report")</p> <p>Winner of 5 Unversitary grant scholarship (assigned using merit criteria).</p> <p>Winner of 2 Unversitary grant scholarship (part time work, assigned using merit criteria).</p> |
| Annexes | List of exams and marks. |

EUROPEAN LEVELS - SELF ASSESSMENT GRID

| | | A1 | A2 | B1 | B2 | C1 | C2 |
|--|--------------------|---|---|---|---|--|--|
| U N D E R S T A N D I N G | Listening | I can understand familiar words and very basic phrases concerning myself, my family and immediate concrete surroundings when people speak slowly and clearly. | I can understand phrases and the highest frequency vocabulary related to areas of most immediate personal relevance (e.g. very basic personal and family information, shopping, local area, employment). I can catch the main point in short, clear, simple messages and announcements. | I can understand the main points of clear standard speech on familiar matters regularly encountered in work, school, leisure, etc. I can understand the main point of many radio or TV programmes on current affairs or topics of personal or professional interest when the delivery is relatively slow and clear. | I can understand extended speech and lectures and follow even complex lines of argument provided the topic is reasonably familiar. I can understand most TV news and current affairs programmes. I can understand the majority of films in standard dialect. | I can understand extended speech even when it is not clearly structured and when relationships are only implied and not signalled explicitly. I can understand television programmes and films without too much effort. | I have no difficulty in understanding any kind of spoken language, whether live or broadcast, even when delivered at fast native speed, provided. I have some time to get familiar with the accent. |
| | Reading | I can understand familiar names, words and very simple sentences, for example on notices and posters or in catalogues. | I can read very short, simple texts. I can find specific, predictable information in simple everyday material such as advertisements, prospectuses, menus and timetables and I can understand short simple personal letters. | I can understand texts that consist mainly of high frequency everyday or job-related language. I can understand the description of events, feelings and wishes in personal letters. | I can read articles and reports concerned with contemporary problems in which the writers adopt particular attitudes or viewpoints. I can understand contemporary literary prose. | I can understand long and complex factual and literary texts, appreciating distinctions of style. I can understand specialised articles and longer technical instructions, even when they do not relate to my field. | I can read articles and reports concerned with contemporary problems in which the writers adopt particular attitudes or viewpoints. I can understand contemporary literary prose. |
| S P E A K I N G | Spoken interaction | I can interact in a simple way provided the other person is prepared to repeat or rephrase things at a slower rate of speech and help me formulate what I'm trying to say. I can ask and answer simple questions in areas of immediate need or on very familiar topics. | I can communicate in simple and routine tasks requiring a simple and direct exchange of information on familiar topics and activities. I can handle very short social exchanges, even though I can't usually understand enough to keep the conversation going myself. | I can deal with most situations likely to arise whilst travelling in an area where the language is spoken. I can enter unprepared into conversation on topics that are familiar, of personal interest or pertinent to everyday life (e.g. family, hobbies, work, travel and current events). | I can interact with a degree of fluency and spontaneity that makes regular interaction with native speakers quite possible. I can take an active part in discussion in familiar contexts, accounting for and sustaining my views. | I can express myself fluently and spontaneously without much obvious searching for expressions. I can use language flexibly and effectively for social and professional purposes. I can formulate ideas and opinions with precision and relate my contribution skilfully to those of other speakers. | I can take part effortlessly in any conversation or discussion and have a good familiarity with idiomatic expressions and colloquialisms. I can express myself fluently and convey finer shades of meaning precisely. If I do have a problem I can backtrack and restructure around the difficulty so smoothly that other people are hardly aware of it. |
| | Spoken production | I can use simple phrases and sentences to describe where I live and people I know. | I can use a series of phrases and sentences to describe in simple terms my family and other people, living conditions, my educational background and my present or most recent job. | I can connect phrases in a simple way in order to describe experiences and events, my dreams, hopes and ambitions. I can briefly give reasons and explanations for opinions and plans. I can narrate a story or relate the plot of a book or film and describe my reactions. | I can present clear, detailed descriptions on a wide range of subjects related to my field of interest. I can explain a viewpoint on a topical issue giving the advantages and disadvantages of various options. | I can present clear, detailed descriptions of complex subjects integrating sub-themes, developing particular points and rounding off with an appropriate conclusion. | I can present a clear, smoothly-flowing description or argument in a style appropriate to the context and with an effective logical structure which helps the recipient to notice and remember significant points. |
| W R I T I N G | Writing | I can write a short, simple postcard, for example sending holiday greetings. I can fill in forms with personal details, for example entering my name, nationality and address on a hotel registration form. | I can write short, simple notes and messages. I can write a very simple personal letter, for example thanking someone for something. | I can write simple connected text on topics which are familiar or of personal interest. I can write personal letters describing experiences and impressions. | I can write clear, detailed text on a wide range of subjects related to my interests. I can write an essay or report, passing on information or giving reasons in support of or against a particular point of view. I can write letters highlighting the personal significance of events and experiences. | I can express myself in clear, well-structured text, expressing points of view at some length. I can write about complex subjects in a letter, an essay or a report, underlining what I consider to be the salient issues. I can select a style appropriate to the reader in mind. | I can write clear, smoothly-flowing text in an appropriate style. I can write complex letters, reports or articles which present a case with an effective logical structure which helps the recipient to notice and remember significant points. I can write summaries and reviews of professional or literary works. |