

PERSONAL INFORMATION



Samuel Delgado Calleja

 Calle Agustín de Betancourt nº 25, 5º-23, 28003 Madrid (Spain)

 0034646252935

 samdelcal@gmail.com

Sex Male | Date of birth 21/08/1989 | Nationality Spanish

WORK EXPERIENCE

Oct 11–Present

Assistant Scholar

Departamento de Motopropulsión y termofluidodinámica (E.T.S.I. Aeronáuticos), Madrid (Spain)

- Collaboration with Chris D. McCoy's doctoral thesis about flexibility of fuel's use in a rotating 4,97cc engine (Extending and characterizing the fuel flexibility of a 4.97 cc rotary engine). Taking part in the deployment of different control methods and measurement in a bench test. Experimental tests with the subsequent analysis of the obtained results.
- Implementation of the algorithm for solving the working's cycle of a supercharged Otto engine.
- Programme an optimisation system in an ECU for supercharged Otto engines.

07–13

Driver of agricultural machinery

Business or sector Agriculture, forestry and fishing

EDUCATION AND TRAINING

Sep 07–Present

Aerospace Engineer.

Escuela Técnica Superior de Ingenieros Aeronáuticos (UPM), Madrid (Spain)

Specialized in propulsion. Extensive knowledge of fluid mechanics, propulsion, flight mechanics, aerodynamic and structural analysis.

I'm performing my end of degree project.

11 Nov 13–24 Dec 13

Nanotechnology: The Basics (Coursera online)

100% with distinction

Rice University, Houston (United States)

This course allows any technically savvy person to go one layer beyond the surface of this broad topic to see the real substance behind the very small.

<https://www.coursera.org/verify/XFALPR378Q>

25 Sep 13–10 Dec 13

Scientific Computing (Coursera online)

University of Washington, Seattle (United States)

This course is a survey of numerical solution techniques for ordinary and partial differential equations. Emphasis will be on the application of numerical schemes to practical problems in the engineering and physical sciences. Apply advanced MATLAB routines and toolboxes to solve problems. Review and practice graphical techniques for information presentation and learn to create visual illustrations of scientific results.

27 Sep 13–2 Dec 13

Calculus Two: Sequences and Series (Coursera online)

100% with distinction

The Ohio State University, Columbus (United States)

This course encourages you to participate by providing plenty of computational problems, conceptual projects, and opportunities to explain your thought process to your peers.

Sep 12–Dec 12	An Introduction to Interactive Programming in Python (Coursera online) Rice University, Houston (United States)	82.8%
13 Aug 07–31 Aug 07	English course Aspect, Bournemouth (United Kingdom)	Higher Intermediate
28 Jul 06–23 Aug 06	English course Language Study Centres, Sutton Coldfield (United Kingdom)	Lower intermediate
Sep 05–Jul 07	High School I.E.S. Virgen de la Paloma, Madrid (Spain)	With honors

PERSONAL SKILLS

Mother tongue(s) Spanish

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	B2	B2	B2
French	A1	A2	A1	A1	A1

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2: Proficient user
[Common European Framework of Reference for Languages](#)

Communication skills Confident, articulate, and professional speaking abilities.
Empathic listener and persuasive speaker.

Organisational / managerial skills Dynamic, motivator, initiator and co-operative.
Easily adaptable to different work environments.

Computer skills Microsoft Office™ advanced user. Maintenance Windows-based computers.
Basic knowledge in softwares for: graphic design (Solid Edge, Catia y CorelDraw), gas turbine performance (GSP, GasTurb), analysis and design of composites (ESAComp), chemical equilibrium calculator (CEA), Propellant Performance Software (GUIPEP), circuit design (NI Multisim) and virtual laboratory instrumentation (LabVIEW).
High knowledge of programming languages: Fortran 90, Maple, Visual Basic, Matlab y Python.

Driving licence B

ADDITIONAL INFORMATION

Participation in BEST university competition.
Construction of the winning vehicle in I Turleque Wacky Race.
Hobbies and interests: music, reading, travel, snowboard, internet and technology.