



Paul Guermonprez

Innovation Engineer

Objective

Looking for: A challenging position in innovation management that would best utilize my expertise in the software and hardware industries. This position should have opportunities for an experienced, dedicated individual with the communication and leadership abilities needed to manage projects and collaborators.

Strengths: discovering and mastering new technologies very early in the curve, making sense of new markets with multiple players, client-partner relations, organizing trainings and field operations, prototyping and managing innovative R&D projects.

In addition: I am a pedagogical consultant in higher education and always looking for opportunities to collaborate with universities and lecturing positions.

Experience

- 2017–present **Intel - NTG Drones, Autonomous Drones Software Architect**, Santa Clara, CA.
Defining software architecture for autonomous drone solutions in collaboration with clients and the software ecosystem worldwide. Focus on the Intel Aero platform and sensors (RealSense, Movidius).
- 2017–present **Toulouse University, Lecturer**, Toulouse, FR.
Defined and teaching a module on innovation and entrepreneurship for the IoT course.
- 2006–2017 **Intel Software, Senior Innovation Engineer**, Toulouse-Paris, FR.
2y: Initiating and developing innovative IoT projects with industrial partners and start-ups.
4y: Developing industry-university collaborations and technical transfers in EMEA.
5y: Optimizing software from major European ISVs for Intel's multi-core systems.
- 1999–2006 **Nautilus Biotech, Integragen, Big Data in Biotech Software Developer**, Evry, FR.
2y: Nautilus Biotech: human gene therapy vector optimization.
5y: Integragen: Contributed to the Start-Up creation, personalized medicine, real time big data.
- 1997–2001 **Lane et Guermonprez, CEO, Software Developer**, Paris, FR.
Co-created a Start-Up specializing in big data analysis for biotechnology.

Contact

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History

Toulouse University

2017–present **Lecturer, Course Creator, Lecturer, Pedagogical Consultant**, Toulouse, FR.
Defined and teaching a module on innovation and entrepreneurship for the IoT course, equivalent to 16h of teaching plus exercises or 1/8 of the entire year curriculum. ([link](#))

Intel

2017–present **Autonomous Drones Software Architect**, *Intel NTG-Drones*, Santa Clara, CA.
Defining software architecture for autonomous drone solutions in collaboration with clients and the software ecosystem worldwide. Focus on the Intel Aero platform and sensors (RealSense, Movidius).

2015–2017 **Senior Innovation Engineer**, *Intel Software*, Toulouse, FR.
Account manager in aeronautics and developing start-up collaborations.

- Future factory projects: B2B IoT infrastructures, augmented reality wearable.
- Autonomous drone specialty: integration, computer vision, collision avoidance.
- Rapid prototyping with IoT startups: B2C IoT infrastructures, wearable, RTOS, neural networks.
- Rapid prototyping and event organization: My Intel-Airbus wearable computer vision product demoed on stage by Intel's CEO at Moscone Center for IDF2016.

2011–2014 **Academic Program Manager**, *Intel Software Academic Program*, Paris, FR.
Developing industry-university collaborations and technology transfers:

- Created then developed a successful international program, EMEA-wide.
- Created a full curriculum deployed in several universities and engineering schools.
- Rapid prototyping : IoT, autonomous drones.
- Communication, event organization, online courseware and contests.

2006–2011 **Senior Application Engineer**, *Intel Software, Intel Health*, Paris, FR.
Directed optimization of software solutions for major european software vendors and tier-1 clients in life sciences, HPC, finance, telco. Cloud and life sciences specialist.

Integragen

2001–2006 **Senior Software Developer**, *BioInformatics and BigData*, Evry, FR.
Contributed to the Start-Up creation. Developed a Big Data solution for patient DNA and DNA chips data. Our research pipeline found genes for autism and diabetes and was migrated to a personalized medicine software solution. Company went public with a mkt cap of up to 60Me.

Nautilus Biotech

1999–2001 **Senior Software Developer**, *BioInformatics and BigData*, Evry, FR.
Contributed to the Start-Up creation. Developed a Big Data solutions to study mutagenesis and optimize human gene therapy vectors. Multiple BioInformatics projects.

Lane et Guermonprez

1997–2001 **CEO and Software Developer**, Paris, France.
Co-created a Start-Up specializing in Big Data analysis for biotechnology and scientific translations. Clients include Biotech start-ups for Big Data and governments for translations.

Internships

1998–1999 **Genethon - 1 year internship followed by full-time contract**, Evry, FR.
Developed software in Java 1.0 to study and represent vectors used in human gene therapy.

1999-1999 **Institut Pasteur - 6 months internship**, Paris, FR.
Unit of Biology in Immune Regulations, studying Bordetella pertussis (whooping cough bacteria).

Publications

FYP Editions

- 2013–Present **Les Drones Débarquent**, *Author*, Paris, FR.
Press : several radio and print interviews, including France Culture and France Info.
Conferences : Hovering Drones and Human Rights, Palais des Nations, United Nations - Genève.
Book website: www.fypeditions.com/les-drones-debarquent/

Scientific - Innovation Management

- 2015-2017 **Master of Science by Research - Thesis**, *Continous education/research*, Toulouse, FR.
Design Thinking Workshops to resolve dialectic tensions in Disruptive Innovation Teaching.
Recorded talk: guermonprez.eu/paul/innovation

Intel

- 2016 **Airbus-Intel-Pivothead smart glasses**, *Product manager*, San Francisco, CA.
Intel computer vision wearable product for Airbus demoed at IDF2016 by Intel CEO.
- 2011–Present **Open Course Ware**, *Author and Curator*, Paris, FR.
15k-100k course downloads per month. HPC, mobile, IoT, embedded, autonomous drones.

MoDem - Democratic Movement, Centrist Political Party

- 2008–2013 **Program**, Paris, FR.
Committee member responsible for defining and writing the tech part of the presidential elections platform. Researching and proposing legislation, collaborative projects, communication skills. Party commission member for the general program in the Regional and Paris elections.
- 2008–2012 **Undisclosed Book**, *Ghost Author*, Paris, FR.
Ghost author for a politician. Collaborative writing, style adaptation, interviews.

Studies

- 2015–2017 **MScRes - Master of Science by Research**, *Toulouse University*, Toulouse, France.
Master CIES - Pedagogical Consultant for Higher Education: guermonprez.eu/paul/innovation
- 1997–1999 **Biochemistry and Molecular Biology Student**, *Paris VI University*, Paris, France.
- 1995–1997 **Medical Student**, *Hopital Broussais Hotel-Dieu, Paris VI University*, Paris, France.

Languages

- Native **French** (Advanced writing and communications skills).
Other **English** (Fluent), Spanish (Basic), Ancien Greek (5y), Latin (2y).

Interests

- Sailing Diving French federation sailing instructor. PADI Advanced OW, CMAS ***, CMAS initiator.
Flying Paraglider, motorized paraglider, drones. Ultralight ULM and Drone french pilot license.
- Associations Former Secretary General for the Internet Society french chapter. Red Cross.
- Politics Candidate for the Mouvement Democrate (center party) in Paris 5th district 2008 elections.
14.33% Interest in union movements, specifically the non-political UNSA.
- Other Cooking, beekeeping, skiing, hiking, cycling.