

Jean-Baptiste Boyssou

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Master of Science Mines ParisTech & ESPCI Paris

Qualification

École Supérieure des Mines de Paris (Mines ParisTech)

Paris, Ve

Double-diploma in engineering ESPCI/Mines de Paris, MSc.

2020–2021

- Biotechnology Specialization
- 2nd Best Engineering School in France, Part of the PSL University (1st Science University overall in France, CWUR/THE ranking)
- Electives : Particle physics and Cosmology, Nuclear physics, Contract law, Analytical accounting, Nutrition in extreme conditions, Biomimetism and bio-inspired materials

Ministère de l'Éducation Nationale

Paris

Agrégation de Physique-Chimie, Chemistry track

July 2021

Received, 38th - Highest and most competitive undergraduate full professorship examination in France - Received in the Physics/Chemistry section, Chemistry track

École Supérieure de Physique et de Chimie Industrielles de Paris (ESPCI Paris) Paris, Ve

ESPCI Paris Physics, Chemistry and Biology Engineer, Advanced MSc.

2017–2021

- Chemistry major / Biotechnologies - Electives (Advanced Organic Chemistry, Biotechnologies, Advanced Fluid Mechanics, Advanced Inorganic Chemistry, Electrochemistry, Biophysics, Soft Matter)
- 1st Best Engineering School for Academic Research in France, Part of the PSL University (1st Science University overall in France, CWUR/THE ranking)
- Student body member (In charge of new students integration) - Head of running section for the Sports Association - Head of Communication and Prospection at PCA, ESPCI Paris *Junior-Entreprise*

Lycée Saint Louis

Paris, VIe

Preparatory classes PCSI/PC/PC, First two years of Bachelor*

2014–2017

- Preparation for the selective examination to enter French engineering Grandes Écoles,
- Received at Mines de Paris, ENS de Lyon, ENS de Paris-Saclay and Centrale-Supélec

Experience

Professional.....

Cepton Strategies

Paris, France

Senior Strategy Consultant

January 2021–Today

From January 2021 to August 2021 : Business Analyst - Since September 2021 : Strategy Consultant - Consulting firm specialized in the Healthcare industry - **Projects conducted:** **(1)** Performed 11 Strategic Due Diligences (SDD) in various healthcare segments (biopolymer manufacturing, homecare medical equipment, drug portfolio in epilepsy, ADHD, IBD, microbiome therapeutics, analytical testing, anti-obesity treatments, modular pharmaceutical production units, organ transplantation) for investment funds, **(2)** Established a 10-year growth strategy for a leading excipient manufacturer, **(3)** Developed a R&D strategy for next applications in drug delivery and tissue engineering for a world leader in biopolymer manufacturing, **(4)** Assessed future evolutions with regard to the reimbursement framework and financing initiatives in the AntiMicrobial Resistance (AMR) ecosystem for an innovative phage therapy biotech company, **(5)** Conducted a Vendor Due Diligence (VDD) process for the 3rd largest European CRO

Stanford University - Biochemistry Department

Stanford, CA

Visiting Student Researcher

May 2020–December 2020

Research project - Study of the transition state and structure geometry of enzyme PafA (alkaline phosphatases superfamily) on high-throughput microfluidics platform for enzyme kinetics (HT-MEK) - Under the supervision of Dr Craig Markin - Research groups of Dr Daniel Herschlag and Dr Polly Fordyce

ENS de Paris - Chemistry Department

Paris Ve

Research assistant

May 2020–July 2020

Research project - Study of the monitoring methods of SOD-like enzymatic activity during oxydative stress in vivo - Under the supervision of Dr Clotilde Policar and Nicolas Delsuc

Schlumberger Norge AS

Stavanger, Norway

R&D Chemistry Intern

August 2019–September 2019

Industrial internship - Synthesis and characterization of new environmentally-friendly corrosion inhibitors - Under the supervision of Dr Tore Nordvik

Lycée Saint Louis

Paris VIe

Chemistry oral examiner

September 2018–September 2021

Perform weekly oral examinations for 1st year students in Preparatory classes (PCSI track) at Lycée Saint Louis - Preparation for examinations to enter French engineering Grandes Écoles

École Polytechnique

Massy-Palaiseau

Research intern

July 2018–August 2018

Biomimetic synthesis of nitrogen-containing heterocyclic molecules of medicinal interest (Janoxepin total synthesis) - Synthesis and Interfaces research group - Under the supervision of Dr Bastien Nay

Personal.....

G20 Indonesia Presidency

Jakarta, Bandung

French Head Delegate to the Y20

January 2022 - February 2023

Youth Engagement group reporting to G20 Head of States - Selected among 500 French candidates

United Nations

New-York

French Head Delegate to the Youth Ecosoc Forum

January 2022 - May 2022

Youth International Forum for Economic and Social goals, under the high-patronage of the United Nations - 2022 Session

Institut des Hautes Études de Défense Nationale (IHEDN)

Paris

Auditor

November 2020

Selected as auditor for the 122th IHEDN youth session, main French governmental organization studying Defense & Geopolitics strategies

Le Taurillon

Paris

Journalist

March 2020–January 2022

Writing articles for the Young Europeans collaborative journal - Producing contents dealing with the European scale (articles, conference) - Podcasts creation about digital technologies and European implementation

Institut Open Diplomacy

Paris

Junior Fellow

March 2019–Today

Responsible for the animation of the Open Diplomacy community on the topic of Geopolitics of high-technology - Produce content (Publications, lectures, seminars).

- Working group on Technological revolutions - Co-chair (since March 2020)
- Jury member - *Devenir Délégué* 2020 & 2023 Forum, in charge of the selection of French future delegates for Y7 and Y20, G7 and G20 for young people
- Reporter during the G7 preparatory meetings on Education and Foreign Affairs (July 4th and 5th 2019) - Wrote articles and geopolitical analysis

Languages

English: Proficiency

TOEFL (111/120), TOEIC (985/990)

Spanish: Limited professional capacity

Programming skills

Programming: C/C++, Python, Matlab, PyMol

Data analysis, Scientific use

Office equipment: LaTeX, Office Pack

Full proficiency

Personal interests

Triathlon: 2015 French Bike&Run Champion, Mt Blanc marathon, multiple marathons

Skydiving: B certificate

Publications

- Indonesia Y20 2022 Communiqué, Y20 Engagement Group, *Indonesia Youth Diplomacy*, July 2022
- Covid-19 : Catalyseur des transitions écologique et numérique, JB Boyssou, A. Pétel, *France Forum*, Octobre 2020
- La Turquie, nouveau berceau de la haute-technologie ?, JB Boyssou, *France Forum*, Avril 2020
- 12 prospective articles (AI, Quantum computing, Biotechnologies, Nuclear proliferation, Data governance), *Open Diplomacy website*, From July 2019