

STAGE ASSISTANT INGENIEUR

Début juin - Fin septembre (12 à 16 semaines)

06.66.18.11.35 — rayan.chennaoui@ipsa.fr

Thiais, France

Étudiant en ingénierie aéronautique, filière cellules aéronautiques, mécanique et structure à l'IPSA, je m'intéresse tout particulièrement à tout ce qui touche à la précision et à la performance mécanique (sport automobile, aéronautique, horlogerie...). Je souhaite effectuer un stage d'assistant ingénieur de 12 à 16 semaines afin de découvrir de nouveaux environnements techniques, développer mes compétences pratiques et approfondir mes connaissances en conception, analyse et innovation mécanique.



Rayan CHENNAOUI

EXPÉRIENCE PROFESSIONNELLE

JUIN—SEPT 2025	Employé saisonnier, LEGO, Paris — Conseil client, encaissement, gestion logistique, et rigueur opérationnelle dans un environnement à fort flux.
AOÛT 2023 & JUIN—JUILLET 2024	Employé saisonnier, DÉCATHLON, Thiais — Vente en magasin, gestion du stock et approvisionnement.
JUILLET — AOÛT 2022	Employé saisonnier, FRANPRIX, Thiais — Encaissement, gestion magasin & stock.
MAI 2022 — AUJOURD'HUI	Auto-entrepreneur, RCB CORP, Paris — Vente de produits en ligne. Traduction documents (ENG/FR). Rédaction scripts pour la chaîne YouTube <i>Tesla France</i> . Réalisation de courts-métrages. Trading crypto. Cours de maths/physique pour collégiens. — Projets notables : Création d'une app. et d'un site permettant de jauger sa santé mentale, de faire des rapports, et de trouver des pistes de solutions.
NOV — DÉC 2018	Employé saisonnier, CASINO & MARCHÉ DE RUNGIS, Île-de-France — Vente, gestion stocks, approvisionnement au marché international de Rungis.
OCT 2018 - SEPT 2022	Président d'association, BEHARD eSPORT, Paris — Encadrement d'une équipe de 40 membres : structuration d'une marque de vêtements et d'une chaîne live, gestion communication/marketing, partenariats (marques, SPA...) et professionnalisation. Coaching de joueurs au niveau européen. Vente produits de l'équipe.

FORMATION SCOLAIRE

SEPT 2025 — FÉV 2026	Mechanical Engineering, UNIVERSITY OF TECHNOLOGY MALAYSIA — Matières principales : <i>Flight dynamic & control, Materials engineering...</i> — Projets : <i>State-space modeling & flight stability analysis, Robotic arm automation project - conveyor transfer system</i>
SEPT 2022 — JUIN 2027	Ingénierie aéronautique & aérospatiale, INSTITUT POLYTECHNIQUE DES SCIENCES AVANCÉES (IPSA), Paris — Matières principales : <i>Mécanique générale (+ RDM, CAO, EFM...), Dynamique des fluides & Aérodynamique, Mécanique du vol, Thermodynamique...</i> — Projets notables : <i>Conception aile Mirage 2000 via CATIA V5R19, Étude profil NACA 0012 en soufflerie via Star CCM+, Étude statistique en science des données, Réalisation d'un robot autonome GoPiGo calculant l'aire d'une surface (incertitude 0,1%), Bureaux d'études en turbomachine & thermodynamique, ...</i>
SEPT 2019 — JUIN 2022	Bac scientifique, LYCÉE GUILLAUME APOLLINAIRE, Thiais — Spé : <i>Maths, physique-chimie, sciences de l'ingénieur (Opt: Maths expertes)</i> — Activités : <i>Création asso. écologique, club d'élocution anglais, tir à l'arc...</i>

COMPÉTENCES — LANGUES — CENTRES D'INTÉRÊT

SOFT SKILLS	Travail en équipe, curiosité et rigueur
CERTIFICATS	BIA, PIX, Animateur fresque du climat & aéronautique, Harvard CS50 introduction à l'IA (en cours)
COMPÉTENCES	CATIA V5R19, langage Python, rédaction \LaTeX , Matlab...
LANGUES	Français (<i>Langue natale</i>), Anglais (<i>965/990 TOEIC, C1+</i>), Arabe (<i>Langue maternelle</i>), Espagnol (<i>connaissances intermédiaires, B1/B2</i>), Chinois (<i>en apprentissage</i>)
CENTRES D'INTÉRÊT	Cinéma, alpinisme & randonnées, vélo & course à pied, sport auto, voyages, calligraphie japonaise, sports de combat...

Rayan CHENNAOUI
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À l'attention du service recrutement

Objet : Candidature pour un stage assistant ingénieur (12 à 16 semaines)

Madame, Monsieur,

Actuellement étudiant en 4^e année d'ingénierie aéronautique et mécanique à l'Institut Polytechnique des Sciences Avancées (IPSA), je suis à la recherche d'un stage d'assistant ingénieur d'une durée de 12 à 16 semaines, à partir de juin 2026. Ce stage représente pour moi une occasion essentielle de mettre en pratique mes connaissances techniques et d'enrichir mon expérience au contact du terrain.

Passionné par la précision mécanique et la performance technique, qu'il s'agisse d'aéronautique, de sport automobile ou d'horlogerie, je souhaite m'investir dans un environnement où l'exigence et la rigueur d'ingénierie sont au cœur des projets. Au cours de ma formation, j'ai eu l'opportunité de travailler sur des projets tels que la conception d'une aile de Mirage 2000 sous CATIA, la simulation d'écoulements sur profils NACA via Star CCM+, ou encore l'étude de la stabilité de vol par modélisation d'état. Ces expériences m'ont permis de développer une approche analytique solide, un sens aigu du détail et une réelle curiosité technique.

Rigoureux, curieux et autonome, je m'intègre facilement au sein d'une équipe et prends plaisir à collaborer sur des projets techniques concrets. Mon objectif à travers ce stage est de découvrir de nouveaux outils et méthodologies d'ingénierie, tout en contribuant activement à la réussite des projets qui me seront confiés.

Je me tiens à votre disposition pour un entretien afin d'échanger sur mes compétences, ma motivation et la manière dont je pourrais apporter ma contribution à vos activités.

Dans l'attente de votre réponse, je vous prie d'agréer, Madame, Monsieur, l'expression de mes salutations distinguées.

Rayan CHENNAOUI

Dr. Vladimir SAVU
Physics Instructor
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vladimir.savu@ipsa.fr

Letter of Recommendation

I have known Mr. Rayan Chennaoui as an instructor for the point mechanics courses PhV111 and PhV121, totaling 76 hours of lectures and tutorials, which he attended during the period from September 2022 to May 2023, and also as supervisor of two mini-projects related to the point mechanics courses.

The courses taught cover Newtonian kinematics and dynamics, celestial mechanics, damped and forced oscillators, as well as the resonance phenomenon of an oscillator. The first mini-project dealt with the study of a free oscillator, while the second addressed the study of Halley's comet trajectory around the Sun.

From the beginning of the courses, Mr. Chennaoui showed a marked interest in the topics covered, demonstrated by relevant questions that reflected his curiosity and appetite for in-depth understanding of the course material. During the tutorials, he did not let himself be discouraged by the difficulties he sometimes encountered in solving the proposed problems, but showed motivation to find a solution by persevering or exchanging ideas with me or with his classmates.

During the in-person sessions of the two mini-projects, he demonstrated that he is a serious and committed student, and managed to accomplish the requested tasks very quickly and efficiently. He also demonstrated that he was capable of working in a team, since the mini-projects were conducted in pairs, and knew how to share the work equitably with his partner. The reports submitted for the mini-projects clearly reflected the seriousness of his approach, being both complete and very clear, which earned him one of the best grades in the class for his work.

The impression he gave me, following the interactions I had with him in class and the discussions we were able to have, is that he is a serious and curious student, who is motivated to always learn more and to successfully pursue his engineering studies.

For all the reasons illustrated above, I believe that Mr. Chennaoui would be an excellent candidate to complete an internship within your company and that his curious mind and intelligence are guarantees that he will persevere to overcome any challenge he might encounter.

With my best regards,

Orsay, January 31, 2025

Vladimir SAVU

Ivry-sur-Seine, January 30, 2025

LETTER OF RECOMMENDATION

As an Electronics professor at IPSA, I have been able to follow the academic progress of Mr. Rayan CHENNAOUI and assess the very good level of his knowledge as well as his aptitudes for analysis and synthesis.

Furthermore, the good results obtained during his first year at IPSA, along with the seriousness and motivation of this student, should allow him to succeed at the highest level of education.

All these reasons lead me to believe that *Rayan CHENNAOUI* will be a driving force during his internship in which he will integrate into work teams.

Mme Sihem TAOURIRT
staourirt@yahoo.fr
Electronic teacher



Ivry, February 2, 2025

Subject: Letter of Support for Obtaining an Internship

Dear Sir or Madam,

As a Doctor of Physical Sciences from Paris-Sorbonne University, certified Professor in Engineering Sciences, and instructor at IPSA, I had the opportunity to teach student Rayan CHENNAOUI during his second year of preparatory cycle in analog electronics as well as in Electromagnetics.

Rayan very quickly surprised me with his maturity and his ability to invest himself both in class and during practical work sessions. His work capacity as well as his curiosity allowed him to achieve good grades above the class average.

It is for these reasons that I support his application to find an internship in the field of aeronautics, being convinced that he possesses the level, the will and the rigor necessary to thrive there.

I remain at your disposal for any request for information.

BETTAIEB Laroussi



Sara SENOBARI
Ph.D. in Applied Linguistics
Sara.senobari@ipsa.fr

To whom it may concern,

I am writing to highly recommend Rayan Chennaoui for opportunities in aeronautical engineering. As a second-year student at IPSA School, Rayan consistently demonstrates dedication, academic excellence, and active participation in class.

As Rayan's Aviation English course professor, I have had the pleasure of witnessing his remarkable progress and commitment to mastering English in the context of aeronautics. He exhibits a strong passion for aeronautics, excels academically, and possesses excellent English language skills, enhancing his global collaboration abilities.

Furthermore, Rayan is motivated, proactive, and contributes valuable insights to class discussions and group projects.

I am confident that he will excel in his future endeavors and recommend him for any opportunities in aeronautical engineering.

Please feel free to contact me for further information.

Sincerely,

Sara Senobari, PhD

January 28, 2025



Delphine Maréchal
Mathematics Professor
Guillaume Apollinaire High School
42 rue du pavé de Grignon
94320 Thiais

January 29, 2025

Dear Sir or Madam,

I would like to recommend a former student, Rayan Chennaoui, who would like to complete an internship in the aeronautics field.

Rayan is currently in his second year at IPSA and, for my part, I taught him advanced mathematics in 2021-2022 during his final year of high school.

Rayan was a serious and willing student, who showed great interest during my classes and did not hesitate to actively participate in each session.

He has kept me regularly informed of his results for the past two years and came to present his school to my students last year. His enthusiasm actually convinced two of them to join IPSA in turn.

He will undoubtedly put this same motivation to good use during his end-of-year internship.

Yours sincerely,

Delphine Maréchal



M. Bouguechal
Professor of Physics and Energy
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IPSA (Institut Polytechnique des sciences Avancées)
63 bis rue de Brandebourg
94200 Ivry-Sur-Seine

Paris, January 31, 2025

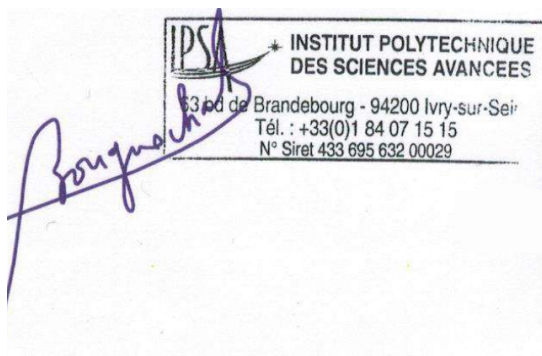
Subject: Letter of recommendation

Aerospace worker internship - Year 2

The student **Rayan Chennaoui**, studying at IPSA, has followed different modules of the physics and energy department (Vehicle Department), including thermodynamics, lectures, supervised work and practical work over two semesters. He has always shown interest and regularity in his work. His involvement as well as his seriousness have led him to obtain good results in several subjects.

He is a serious student who will give satisfaction in the internship he will be required to complete. His motivation, his seriousness and his involvement will allow him to carry out the tasks that will be requested of him well. He will thus be able to complete his internship in good conditions.

M. Bouguechal





Jonathan Harrold
English teacher in the Foreign Languages Department
IPSA-Ecole d'ingénieurs de l'air et de l'espace
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94200 Ivry-sur-Seine
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Ivry-sur-Seine, January 29, 2025

To whom it may concern,

As an English teacher at Ipsa, I have known and taught Rayan Chennaoui for two years and consider him one of my most serious and hard-working students.

He is highly motivated to improve his skills and his command of the English language in particular. The very satisfactory results he has achieved over the past year are testament to the sustained efforts and interest he has put into his work. Rayan is always eager to learn and participates actively in class.

Rayan has expressed a keen interest in finding a summer internship, and I fully support his application as I am thoroughly convinced that he will rise to this challenge and amply meet the expectations of his superior.

I can also ascertain that Rayan possesses the necessary English language skills to work autonomously and thrive in an all-English-speaking environment, should he be required to do so.

With best regards,

Jonathan Harrold