

Ara SABEI

PhD candidate

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EDUCATION

- | | |
|--------------|--|
| 2024-Present | PhD candidate in BioEngineering at Chimie ParisTech-PSL <ul style="list-style-type: none">Miniaturized devices based on self-assembling peptides for the expiratory breath sampling and identification of volatile biomarkers for diagnosis |
| 2022-2024 | Master of BioMedical Engineering at BME Paris (Coordinated by Université Paris Cité, PSL and ENSAM) <ul style="list-style-type: none">Awarded by Université Paris Cité : SMARTS-UP Scholarship |
| 2017-2021 | Bachelor(Bac+4) of BioMedical Engineering at Azad University Tehran Medical Sciences (IAUTMS) <ul style="list-style-type: none">Ranked among the top 100 universities in Asia according to US weekly |

PROFESSIONAL EXPERIENCE

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| Feb-Jul 2024
6 months | Research internship under supervision of Dr. Fanny d'Orlyé, I-CLEHS, Chimie ParisTech-PSL <ul style="list-style-type: none">Designing 3D-printed microfluidic systems, Microfabrication of paper-based devices, Electrokinetic separation of amphoteric compounds, Image processing and analytical techniques |
| Apr-Jun 2023
2 months | Project internship under supervision of Dr. Peter Dalko, LCBTP, Université Paris Cité <ul style="list-style-type: none">Developing quinoline-derived probes, Multi-step synthesis of heterocyclic compounds, Structural and physicochemical analyses |
| Feb-Mar 2023
2 months | BioFabLab internship under supervision of Dr. Claudio Vergari, IBHGC INSTITUT, ENSAM <ul style="list-style-type: none">Generating 3D ultrasound images, Developing 3D-printed ancillaries for 3D optical tracking |
| Sep-Dec 2021
4 months | Research internship under supervision of Dr. Paksaz, SINA CONTROL Co., Iran <ul style="list-style-type: none">Innovative signal and sensor processing methods, Mechanical assistant and designer of electrical circuits |
| 2020
4 months | Internship under supervision of Dr. Jahromy, MEDICINAL PLANT PHARMACOLOGY RESEARCH LAB, Iran <ul style="list-style-type: none">Development and validation of analytical qualification assays, Deploy computational tools |
| 2019
4 months | Research assistant under supervision of Dr. Sharif, FARAFAN INSTITUTE, Iran <ul style="list-style-type: none">Assistant in repairing and calibrating medical and hospital devices |

PROFESSIONAL CERTIFICATES

Neuroscience for Neuroimaging (Johns Hopkins university) , Biomedical Visualization (Glasgow university)
Principles of fMRI (Johns Hopkins university) , From Research to Business (INSEAD Business School) , Medical Equipment Repair Technician , Computer Applications

LANGUAGES

English C1-Bilingual **Persian** Native
French B2- Certified by TCF (CIEF - Centre International d'Etudes Françaises)

+ INTERESTS

- School associations fundraising for rare diseased children
- Learning languages, Literature, Painting, Traveling

SKILLS

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| Personality | Flexibility, Multitasking, Creativity, Problem solving, Attention to details |
| Lab techniques | Microscopy and analytical techniques, NMR, FTIR, Fluorescence spectroscopy, Synthetic organic chemistry principles, 3D printing |
| Bioinformatics | Programming (Python, Java, R), Modeling (Proteus & CodeVision, Blender, MATLAB), Software & Systems (Office Pack, LaTeX, 3D Slicer, Fusion 360, ImageJ) |