Payam S. Shabestari

Software Engineer · payamsash.github.io

CONTACT

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Based in: Zurich & Geneva, Switzerland

EXPERIENCE

- **Software Engineer, Fondation Campus Biotech Geneva (FCBG)** — *June 2026 – present*
  System development for behavioral video analysis and M/EEG data analytics

EDUCATION

- **PhD in Neuroscience, Neuroscience Center Zurich (University of Zurich & ETH Zurich)** — *Oct 2022 – 2026*
  Thesis: *Advancing Neurofeedback in Tinnitus (ANT)*
- **Department of Biosystems Science and Engineering, ETH Zurich, Switzerland** — *Nov 2020*
  MSc thesis: *Improving spike sorting performance of bursting neurons*
- **MSc in Biomedical Engineering, Polytechnic University of Milan, Italy** — *Feb 2019*
  GPA: 104/110
- **BSc in Biomedical Engineering, Polytechnic University of Tehran, Iran** — *Sep 2013*
  GPA: 3.8/4

ACADEMIC POSITIONS

- **Academic guest, Biomedical Image Computing Group, ETH Zurich** — *Nov 2025 – Jan 2027*
  Dept. of Information Technology and Electrical Engineering
- **University Hospital Zurich, Switzerland** — *Oct 2022 – Oct 2026*
  Dept. of Otorhinolaryngology, Head and Neck Surgery
- **Affiliated researcher, Karolinska Institute, Sweden** — *May 2023 – Jan 2024*
  Dept. of Physiology and Pharmacology

AWARDS AND GRANTS

- **Research Award, Swiss Tinnitus League (2026)** — *2,000 CHF*

- **Best Poster Award, ARCHES 2025** — Audiological Research Cores in Europe
- **SNSF PhD Mobility Grant** — *22,000 CHF* — Harvard Medical School & Massachusetts General Hospital (6 months)
- **GRC Travel Grant, UZH** — *4,900 CHF* — Harvard Medical School & Massachusetts General Hospital (6 months)

ONGOING PROJECTS

- Closing the loop towards precision medicine in tinnitus (UK Biobank data) — repository
- Identification and validation of a biomarker for tinnitus (TIDE consortium) — repository
- A normative modeling framework for identifying diffusive EEG biomarkers in tinnitus — repository

TEACHING

- Programming in Biology — *Sep 2024*
- Biosignals and Engineering: Challenges in M/EEG Processing — *Sep 2023*
- Introduction to Biomedical Engineering — *Sep 2016*
- Electromagnetics — *Sep 2015*

SUPERVISION

- **Philip Aruliah**, MSc Psychology, UZH — *Impact of motor-imagery based neurofeedback on speech production*
- **Louis Larcher**, MSc Neuro-X, EPFL — *Multi-dimensional feedback stimuli in neurofeedback*