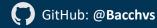# Arnaud SÉNÉCAUT

Biology student
Computer Technician with a two-year degree

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EDUCATION

- **2022-2024 Bachelor's Degree** Cellular and Molecular Biology at **UBS, Vannes, France**
- **2020-2022 BTEC Higher Nationals (DUT)** of **Computer science** at **UBS, France**
- **2018-2020 Bachelor's first year** « sciences pour la santé » at **Université Paris Descartes**
- **2018** **A-level, major Biology** at Lycée Buffon (Paris, France)

SKILLS & QUALITIES

- **Programming languages : C and C++, Java, R, Python,** COBOL, **VBA**, **Assembly**, **LateX**, HTML, **SQL**, JavaScript, PHP, CSS.
- **OS :** Windows, Linux, Android, MacOS
- **Software** : Excel, Word, NCBI, R-studio, Jupiter, FFID, WSL, Linux (**command lines**).
- **Public speaking** : 15 years of drama/improvisation.
- **PSC1** : **Public basic first aid training** with the French Red Cross.
- **Autodidact** : computer programming, music, 3D modelling, writing.

EXPERIENCE

- **2022 April-June:** End of DUT internship in the LP3C laboratory, development of an application for calculating paediatric injection doses.
- **2021 July-August:** Voluntary internship in bioinformatics at the Institut Jacques Monod/**CNRS**.
- **2021 :** Participation in the ASTEP scheme run by the LAMAP foundation, aimed at introducing young people to a taste for science and the rigour of the scientific method.
- **2020 - 2021:** Creation of a website for a client as part of the IUT's web project.
- **2019 - 2020:** Involvement in an association: Amical Paris Sciences (APS).
- **2013 - 2017:** Babysitting, looking after children aged 5-10, during the day, occasionally.
- **2014:** Third-year internship at the **UMRS 1147** research laboratory (**Paris Descartes University**)

BIO-ENGINEERING

Wetlab: PCR, PCR-directed mutagenesis, **Spectrophotometry**, **SDS-PAGE**, **western-blot**, sterile environment manipulations, protein purification/quantification.

Drylab: Study and writing of scientific articles, cross-disciplinary culture in biology, « *in silico* » **studies** with **NCBI** software.

SOFTWARE ENGINEERING

GUI design, **UML**, Reverse engineering, Relational (**SQL**) and **NoSQL databases**, Project management, Data management, System and network, **Signal processing**, File format design/studies. Data Sciences and mass processing. **mission-critical programming**.

TRAVELS

- **Tahiti (2007 to 2009)**
- **Australia (2008)**
- **New-Zealand (2008)**
- **United States (2009)**
- **UK (2012)**
- **Bavaria (2013)**
- **Spain (2017)**
- **Netherland (2023)**

HOBBIES AND INTERESTS

Biology, **Informatics**, **Sciences**

Music (guitar and piano)

Drama (15 years)

Snorkelling and spearfishing

LANGUAGES

English 🇬🇧🇬🇧🇬🇧●   **Spanish** 🇪🇸🇪🇸🇪🇸●●