Peter Bock

Bioinformatician

33000 Bordeaux
France
✉ peter.bock@etu.u-bordeaux.fr
⊕ bockp

Education

2016–2018 **Bioinformatics Master** , *University of Bordeaux*, Bordeaux, France.
Part of the Computational Biology track, I relish the chance to study in this master, as its heavy focus on group projects is teaching us not only the bases necessary to be a bioinformatician, but also how to work effectively as a group.

2013–2016 **Bachelor of Biology and Ecology**, *University Via Domitia*, Perpignan, France.
With a focus mainly on evolutionary history and animal/plant physiology, with a good measure of ecology and genetics. A specialty of the University of Perpignan is the Degree-long continuous formation in creating mathematical models to represent the evolution of biological/ecological phenomena or populations.

2014–2017 **Extracurricular lessons through online courses (MOOCs)**, *coursera.com, edx.org*.
I have studied introductory courses on Bioinformatics, Data Science and Psychology during my Bachelors degree

Experience

2016-2017 **IGEM Bordeaux**, *University of Bordeaux*, France, 8 months.
Member of the local team, we worked on our Stargate WCC project, studying the alternative splicing of the Unc-60 gene in C.elegans using photo-inducible systems. We were awarded the Bronze Medal for our work.

2016 **Pathway Comparison Project**, *University of Bordeaux*, France, 4 months.
Group project on developing a program to compare metabolic pathways between two bacteria by using orthology relations between their enzymes, program was then passed to one of our teachers for use in her research.

2015 **Bioinformatics internship**, *Host-Pathogen-Environment Interaction (IHPE) lab*, Perpignan, France, 1 week.
Creation of an analysis pipeline to map reads to a genome, collect the non-mapped reads, assemble them, and look for virii signatures using an external database. This was done as part of a project studying the meta-genome of corals to study the impact of potential virii on their metabolism.

2015 **RYLA (Rotary Youth Leadership Awards) seminar**, *La Grande-Motte*, France, 1 week.
the RYLA seminar was organized by the Rotary Club to teach future young leaders about a big problem in our future : Water Shortage. And to present the different solutions available or in development. We then had to present our individual experience to the Rotary club that financed the trip for us.

2012–2013 **Sabbatical Year**, Australia.
Spend 11 months traveling around Australia. working as an opal miner, fruit picker, and farm hand.

Skills

Programming C++, Java, Javascript, LaTeX, SQL, Perl, R, Python, Solidity
Tools Cytoscape, libSBML Java API, Emacs, Atom, CMake

Languages

French Fluent
Danish Mother Tongue
English Fluent

Hobbies

Origami End goal is to be able to design my own models, but even now it is a mentally challenging, and thus fulfilling, activity.

Archery Helps hone concentration and patience, and fun to boot.

3D modelling I recently won a 3D printer in a design competition, and have been spending a lot of time creating 3D models for the cryptocurrency movement lately.