

# TIMOTHÉE AUDINET DE PIEUCHON

2 cours de Tournon, 33000 Bordeaux, France

timothee.audinet-de-pieuchon@ens-lyon.fr  $\diamond$  (+33)674058838  $\diamond$  [timothee-audinet.github.io](https://github.com/timothee-audinet)

## EDUCATION

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### École Normale Supérieure de Lyon, France

Preparation to the *agrégation* exam

Received 2/38

*September 2020 - July 2021*

### École Normale Supérieure de Lyon, France

Degree in Chemistry

Department of Matter Sciences

*September 2018 - July 2019*

Average grade: 14.6/20

### Blaise Pascal High School, Clermont-Ferrand, France

Preparatory Classes for the Grandes Écoles

Specialty Physics and Chemistry

*September 2015 - June 2018*

### Sainte-Marie Grand-Lebrun High School, Bordeaux, France

High-School Degree, Scientific Mention

*July 2015*

Upper Second-Class Honors

## CAREER OBJECTIVE

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As a postgraduate student in chemistry and physics I have a keen interest in theoretical chemistry, especially for electronic structure theory.

## TECHNICAL STRENGTHS

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### Mathematical Tools

Complex Analysis, Hilbert spaces, Green functions...

### Modeling and Analysis

Python, Avogadro, Gaussian

### Software

Latex, Linux

### Languages

Native French, English B2

## WORK EXPERIENCE

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### Synthesis of a macromolecular cage

- Two months internship in École Normale Supérieure of Lyon (Lyon, France). The aim was the synthesis of an aza-cryptophane and his full characterisation.

*June 2019*

### Study of Autocorrelation Functions

- Study of the long time tails of autocorrelation functions in the case of the velocity autocorrelation function and the intermediate scattering function: Molecular dynamics and Asymptotic developments.

### Spectral function and three-body Green functions

- Three months internship at the LCPQ at Toulouse where I studied the development of the spectral function thanks to the three-body Green-function.

*May-July 2020*

## HOBBIES

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Ten years of Rugby, Leader of the rugby team in the ENS, Hiking, Literature and film, Ten years of scouting while I had to lead a group of 7 people for 2 years.