



Younes PhD Henni

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Objective

A highly motivated researcher in the field of physics and nano-technologies who wants to switch career path from fundamental research to web/software development. I seek to join teams of developers that work on application-driven projects to solve real world problems.

Work experience

Electrical Engineering, Cambridge University

January 2017 — Present

Research Associate

- Data computation using the numerical libraries of: Python, Matlab and Mathematica.
- Studying the electronic properties of novel materials such as: Graphene, Boron Nitride.
- Conducting experimental work on: Optical spectroscopy, nano-electronics, lithography-based fabrication.
- Writing scientific articles for publication in major journals.

Qualifications

- Front end web development Certificate: Free Code Camp.
- Proficient in: Python (three years experience), native Javascript, JQuery, LaTeX.
- Solid understanding of Django and Django Rest frameworks.
- Solid understanding and usage of: HTML5, CSS3, Bootstrap.
- Published two peer reviewed papers in highly cited scientific journals and one Conference Paper: DOI: 10.1021/acs.nanolett.6b01041; PRL 114, 126804 (2015); APS March meeting 2016, USA.
- Currently working in an international team of researchers on graphene-based structures for novel electronic devices.

Education

PhD in Physics

October 2013 — October 2016

University of Grenoble

Doctorate specialty: Material Science and Nano Electronics.

MS in Condensed Matter and Nano

September 2011 — July 2013

Interests

Programming, Reading (Science/Science fiction/Finance and Entrepreneurship), Value Investing, Machine Learning and AI, Chess.

References

Dr. Teng Ma.

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