

ANDREI-EMANUEL DRAGOMIR

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Bucharest, Romania



EXPERIENCE

Research assistant

Insistutul de Fizica si Inginerie Nucleara - Horia Hulubei

Oct 2018 - Ongoing Magurele, Romania

- Researching quantum information algorithms
- Developing a method of designing integrated photonics quantum gates

Physics teacher

'Marin Preda' Highschool

Oct 2021 - June 2022 Bucharest, Romania

- Teaching physics for middle school and high school

Physicist

Centrul International de Biodinamica

March 2017 - Jan 2018 Bucharest, Romania

- Modeling and measurement of surface plasmon for biodynamical applications

PUBLICATIONS

Journal Articles

- A.-E. Dragomir and R. Ionicioiu, "Sic-povm tomography in integrated photonics chips," *Romanian Reports in Physics*, 2023.
- A.-E. Dragomir, C. G. Ivan, and R. Ionicioiu, "Simulating integrated photonic gates using fdtd," *Quantum Science and Technology*, vol. 5, no. 4, p. 045 021, Sep. 2020.

MY LIFE PHILOSOPHY

"Efficiency."

SKILLS & INTERESTS

C++ Wolfram Python

Rock Climbing Piano

Boardgames & Tabletop Roleplaying

LANGUAGES

Romanian ●●●●●

English ●●●●●

German ●●●●●

EDUCATION

Ph.D. in Theoretical Physics

University of Bucharest

Oct 2018 - Ongoing

M.Sc. in Theoretical Physics

University of Bucharest

Oct 2016 - June 2018

B.Sc. in Physics

University of Bucharest

Oct 2013 - June 2016