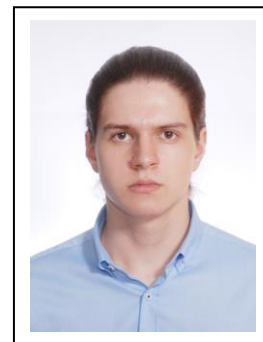


# CURRICULUM VITAE



## Oleksandr Zaiets

**Address:** Ukraine, Kyiv, Mykoly Mateyuka Street 5-A

**E-mail:** o.zaiets@kau.edu.ua

**Sex:** Male

**Marital Status:** Single

**Nationality:** Ukrainian

### Interests:

*I am interested in physics in general and in physics of nanomagnetism in particular. I see myself in a theoretical research.*

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### Education:

**Name of educational institution:** Taras Shevchenko National University of Kyiv

**Faculty, specialty:** Faculty of Radiophysics, Electronics and Computer Systems, Applied Physics

**Status:** Bachelor in Applied Physics

**Grade Point Average:** 95 on the 100-point grade system

**Period:** from 2017 till 2021

**Name of educational institution:** Kyiv Academic University

**Departments, specialty:** Theoretical and Mathematical Physics at the Bogolyubov Institute for Theoretical Physics of the National Academy of Sciences of Ukraine, Physics and astronomy

**Status:** Master Student in Physics

**Grade Point Average:** not yet evaluated

**Period:** from 2021 till present

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### Research Experience:

**December, 2018 – Present** Research in Theory of Magnetism (RiTM) Group, Faculty of Radio Physics, Electronics and Computer Systems, Taras Shevchenko National University of Kyiv; Bogolyubov Institute for Theoretical Physics of the National Academy of Sciences of Ukraine, Kyiv, Ukraine. **Supervisor: Prof. Denis D. Sheka**(sheka@knu.ua).

**February 25 – March 23, 2019** I participated in joint research at the Helmholtz-Zentrum Dresden-Rossendorf (HZDR). My stay was a part of the project "German-Ukrainian Center for Large-Scale Experiments" ("Deutsch-Ukrainisches Zentrum für Großversuche"), funded by the Federal Ministry of Education and Research (grant: 01DK17007).

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### Publications and Proceedings of Scientific Conferences:

*Oleksandr Zaiets, Volodymyr P. Kravchuk, Oleksandr V. Pylypovskyi, Denys Makarov, Denis D. Sheka.*

**Circular stripe domains and cone state vortices in disk-shaped exchange coupled magnetic heterostructures,**

Journal of Physics D: Applied Physics 55, P. 445003 (2022) DOI: [10.1088/1361-6463/ac8d9f](https://doi.org/10.1088/1361-6463/ac8d9f).

*Zaiets O., Sheka D., Kravchuk V., Makarov D.*

**Circular Stripe Domains Imprinted into the Out-of-Plane Magnetised Material**

IEEE International Conference on "Nanomaterials: Applications & Properties" (NAP-2020),

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Sumy, Ukraine, November 9-13, 2020, Online meeting

**URL:** <https://nap.sumdu.edu.ua/index.php/nap/nap2020/paper/view/3474>

*Zaiets O., Sheka D., Kravchuk V., Makarov D.*

**Circular stripe domains in a vertically stacked magnetic heterostructures**

XI Conference of Young Scientists "Problems in Theoretical Physics", 21-23 December 2020, Online meeting, P. 58-59

**URL:** <https://indico.bitp.kiev.ua/event/7/book-of-abstracts.pdf>

*O. Zaiets, V. P. Kravchuk, D. D. Sheka, D. Makarov*

**Circular stripe domains in magnetic heterostructures of cylindrical geometry**

Curvilinear Condensed Matter: Fundamentals and Applications 717. WE-Heraeus-Seminar 24 - 26 June 2021, Online meeting, P. 63

**URL:** <https://www.we-heraeus-stiftung.de/veranstaltungen/seminare/2021/curvilinear-condensed-matter-fundamentals-and-applications/program/>

*O. Zaiets, V. Kravchuk, D. Makarov, D. Sheka*

**Circular stripe domains in magnetic heterostructures of cylindrical geometry**

UKRAPRO Workshop: Condensed matter science assisted by machine learning (2022)

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**Other Achievements:**

**May 29, 2018** Cisco Networking Academy course "CPA: Programming Essentials in C++".

**May 22-23, 2019** Participation in organization of International Workshop «Curvilinear Magnetism», located in Kyiv, Ukraine.

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**Language Skills:**

**Ukrainian:** Fluent (Native language)

**English:** Good (IELTS Score 7.0, 06.02.2021)

**Russian:** Fluent

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**Technical Skills:**

**Programming languages knowledge:** C/C++, C#(Basic level)

**Scientific packages knowledge:** Wolfram Mathematica, LaTeX

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**Hobbies:**

Basketball, reading books

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