



Irina Barzykina

Year 4 MEng Design Engineering at Imperial College London

DOB: 6th November 2000

Nationality: British, Russian

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Profile

A student with a unique design engineering background fusing disciplines of design, art, science and technology. Motivated to further enhance previously acquired skills in UX/UI and human-centred design, and innovate in the novel field of design finance.

Education

Imperial College London (MEng): September 2019 - ongoing

Year 1: 75.47% (Dean's List Award)

Year 2: 74.98%

Year 3: 78.12%

Southbank International School (International Baccalaureate): September 2007 - May 2019

IB Diploma Final Grades (43) ; Additional: Russian (A*).

Experience

Deutsche Bank, 06.2022-08.2022: Technology, Data & Innovation division - Natural Language Processing / Named Entity Recognition, Machine Learning, UX design

Enterprise X, Imperial College London, 04.2022-06.2022: entrepreneurship, UX design, M&A platform development, valuation, user research (quantitative/qualitative), brand design

Centre for Finance, Technology & Entrepreneurship (CFTE), 07.2021-09.2021: visual and UX/UI design, AI and FinTech course development. Creation of key product and presentation visual assets with use of Adobe Suite and Articulate.

The Faraday Institution, 07.2020-09.2020: battery research, graphic design, UX/UI, frontend & backend programming.

Bloomberg, 06.2017: introduction to electronic sales and trading, media, product, R&D.

Gazprom Marketing & Trading Ltd., 06.2016: LPG logistics, data analytics

Selected Achievements

Dean's List Award: 3rd Year of University (2022)

Design Engineering Selected Innovation Recognition (DESIRE) Award: Design Engineering Futures, Group Project: "Visionary - The Future of Inclusivity 2041" (2022)

Dean's List Award: 1st Year of University (2020)

Dyson School of Design Engineering Brand Design Competition: 1st Place (2022)

UK International Song-writing Contest (Singing): 1st Place Winner (2018)

Senior Team Challenge UKMT (Mathematics): Regional 1st, National 10th (2017)

Publications

Irina Barzykina; **Chemistry and Mathematics of the Belousov-Zhabotinsky Reaction in a School Laboratory.** Journal of Chemical Education 2020 97 (7), 1895-1902 DOI: 10.1021/acs.jchemed.9b00906.

Irina Barzykina; **The Physics of an Optimal Basketball Free Throw.** arXiv, 21 Feb 2017, <https://arxiv.org/abs/1702.07234>.

Skills

Language Proficiency:

English ○○○○○

Russian ○○○○○

Spanish ○○○○○

Software: MS Office, Adobe Suite, Fusion360, Solidworks, Figma, Miro

Computing: Javascript, CSS, HTML, SQL, Python, Matlab

Soft Skills: Inter-disciplinary Teamwork, Design Thinking, Operations Organisation, Project Management, Leadership, Co-design, Stakeholder Management, Managing Ambiguity & Uncertainty

Portfolio

<https://www.irinabarzykina.com/>



LinkedIn

<https://www.linkedin.com/in/irina-barzykina-94158b1b1/>

