

Vladimir Presnov

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教育背景

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| 昆山杜克大学 (DKU) & 杜克大学 (Duke University) 双学位项目 工学学士 (B. Eng.) , 材料科学, 物理方向 (昆山杜克大学) 理学学士 (B. S.) , 跨学科研究: 材料科学; 物理 (杜克大学) | 2026 届 (12 月) 苏州, 中国 达勒姆, 美国 |
| • GPA: 3.504/4.0; 院长名单 (Dean's List): 2022 年秋季、2023 年春季、2023 年秋季、2024 年春季; 气候与可持续发展委员会本科生代表; 校园可持续发展报告 - 能源组负责人 | |

工作经历

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| Ruhlamat | 09/2025-11/2025 |
| 商务拓展实习生, 市场部 (兼职) | 苏州, 中国 |
| • 为客户提供撰写并完成 5 份项目报告; 负责公司在墨西哥、马来西亚和德国设立办公室的尽职调查工作; 建立并维护 25 家海外行业协会清单, 并与其进行沟通以推进公司加入相关组织 | |
| Paul Hartmann | 06/2023-09/2023 |
| 业务运营实习生, 业务运营部 | 莫斯科, 俄罗斯 |
| • 收集来自药房的非标准化产品销售数据; 与销售部门合作, 搭建并上线新的零售端 (药房) 产品销售追踪系统; 在销售部与业务运营部之间进行跨部门沟通, 参与数据库系统开发相关工作 | |

科研经历

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| DKU Energy Materials Laboratory (Prof. Xiawa Wang) | 09/2024-至今 |
| OER 学生研究员 (本科毕业论文项目) | 苏州, 中国 |
| • 从事用于水分解体系的能源材料研究 (氢能经济与可再生能源储能) • 电化学工作站 (LSV、CV、稳定性测试、EIS)、XRD (Jana、FullProf)、高温炉、透射电子显微镜 (TEM)、傅里叶红外 (FTIR)、拉曼 (Raman)、力学测试 • 在研论文: <ul style="list-style-type: none">○ Spin-polarized oxygen evolution catalysis enabled by a honeycomb quantum magnet, <i>Nature Catalysis</i> (Ghulam Hussain, Shuyi Li, Man Zhang, Bing Wang, Xinyan Dai, Shengyu Sun, Xiaoqi Zhou, Vladimir Presnov, Ziquan Wang, Yici Li, Xiawa Wang)○ Cobalt-Substituted Nickel Orthoborates as Efficient Electrocatalysts for Oxygen Evolution Reaction in Water Splitting (Ghulam Hussain, Yici Li, Man Zhang, Vladimir Presnov, Ziquan Wang, Xiawa Wang) | |
| 多红光 / 近红外光子光氧化还原催化项目 | 10/2025-至今 |
| 学生研究员 | |
| • 合成并表征基于卟啉的分子体系 (UV-Vis 表征); 评估其在电化学析氧反应 (OER) 中的性能, 用于能量转换系统研究 | |

校园与社会活动

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| 动物保护协会 (Animal Protection Academy, APA) | 09/2022 - 至今 |
| 创始人、联合主席 | 苏州, 中国 |
| • 每年筹集经费 30,000 人民币; 负责校内 55 只流浪猫的健康管理与生活质量保障; 与本地宠物医院、宠物商店、收容所及领养机构建立长期合作关系; 与学校行政部门合作制定校园动物管理政策; 将社团规模扩展至 60 名活跃成员 (涵盖 5 个院系, 含教职员) ; 获得星巴克基金会社区项目奖 (20,000 人民币资助) | |
| 国际风能项目评估: 中俄远东地区视角 | 10/2023 - 05/2025 |
| 项目负责人 | 苏州, 中国 |
| • 负责数据分析与 GIS 可视化、生命周期评价 (LCA) 环境分析、中国与俄罗斯能源政策研究。 • 团队构成: 3 名中国学生 + 本人 • 项目成果: 创新孵化器 Gold Idea 奖 (7,500 人民币)、俄罗斯可再生能源协会峰会视频展示项目、联合国千年学者计划 (UN Millennium Fellowship) 项目、教师支持的科研项目 | |

其他信息

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| 语言能力: 中文 (HSK5, 中高级)、英语 (熟练)、挪威语 (书面语 Bokmål, 中级)、俄语 (母语) |
| 技能: Python (NLP、pandas、数学计算、数据可视化)、Origin、Excel (VBA、MACROS)、PowerPoint、CRM 系统 (Bitrix24) |
| 证书 (Coursera): 商务 Excel、国际能源政治与经济 |

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EDUCATION

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| Duke Kunshan University (DKU) & Duke University Dual Degree <i>B.Eng. in Materials Science; Physics Track (DKU)</i> <i>B.S. in Interdisciplinary Studies: Materials Science; Physics (Duke)</i> | Class of 2026 Suzhou, China Durham, U.S. |
| <ul style="list-style-type: none">GPA: 3.504/4.0; Dean's List Fall 2022, Spring 2023, Fall 2023, Spring 2024; Climate and Sustainability Committee Undergraduate Body Representative; Campus Sustainability Report – Energy Team Leader | |

PROFESSIONAL EXPERIENCE

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| Ruhlamat <i>Business Development Intern, Marketing Department (Part-time)</i> | 09/2025 – 11/2025 Suzhou, China |
| <ul style="list-style-type: none">Developed 5 project reports for the clients; controlled due diligence for opening offices in Mexico, Malaysia and Germany; created a list of and communicated with 25 foreign associations for the company to join | |
| Paul Hartmann <i>Business Operations Intern, Business Operations Department</i> | 06/2023 – 09/2023 Moscow, Russia |
| <ul style="list-style-type: none">Collected unstandardized reports from pharmacies on products' sales; launched a new system to track sales on products in retail (pharmacies) with sales department; communicated on cross-functional tasks with Sales and Business Operations Departments (database development). | |

RESEARCH EXPERIENCE

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| DKU Energy Materials Laboratory (Prof. Xiawa Wang) <i>OER Student Researcher (Senior Thesis Project)</i> | 09/2024 – Present Suzhou, China |
| <ul style="list-style-type: none">Research energy materials for water splitting systems (hydrogen economy and renewable energy storage).Instruments: potentiostat (LSV, CV, stability, EIS), XRD (Jana, FullProf), furnace, TEM, FTIR, RAMAN, mechanic tests.Publications (in progress):<ul style="list-style-type: none">Spin-polarized oxygen evolution catalysis enabled by a honeycomb quantum magnet, <i>Nature Catalysis</i> (Ghulam Hussain, Shuyi Li, Man Zhang, Bing Wang, Xinyan Dai, Shengyu Sun, Xiaoqi Zhou, <u>Vladimir Presnov</u>, Ziquan Wang, Yici Li, Xiawa Wang)Cobalt-Substituted Nickel Orthoborates as Efficient Electrocatalysts for Oxygen Evolution Reaction in Water Splitting (Ghulam Hussain, Yici Li, Man Zhang, <u>Vladimir Presnov</u>, Ziquan Wang, Xiawa Wang) | |

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| Multi-Red or NIR Photon Photoredox Catalysis <i>Student Researcher</i> | 10/2025 – Present Suzhou, China |
| <ul style="list-style-type: none">Synthesize and characterize porphyrin-based molecules (with UV–Vis) and evaluate their electrochemical OER performance (energy conversion systems). | |

UNIVERSITY ENGAGEMENT

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| Animal Protection Academy (APA) <i>Founder, Co-President</i> | 09/2022 – Present Suzhou, China |
| <ul style="list-style-type: none">Fundraise annual budget of 30,000 RMB; maintain health, quality of life of 55 cats on campus; develop relationships with local veterinary hospitals, pet stores, shelters, adoption fairs; produce campus-wide animal policy with administration; expand the club to 60 active members (5 departments) including faculty; Starbucks Foundation Winners (20,000 RMB funding for community projects) | |
| International Wind Project Assessment: China and Russia's Far East Perspectives <i>Project Leader</i> | 10/2023 – 05/2025 Suzhou, China |
| <ul style="list-style-type: none">Data analysis and GIS visualization, LCA environmental assessment, China and Russia energy policy analysis.Team: 3 Chinese students and meAccomplishments: Gold Idea Winners for Innovation Incubator (7500 RMB), video presentation on Russia Renewable Energy Association Summit, UN Millenium Fellowship project, faculty-supported research | |

ADDITIONAL INFORMATION

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| Languages: Mandarin (HSK5 – upper-intermediate), English (Proficient), Norwegian Bokmål (Intermediate), Russian (Native) |
| Skills: Python (NLP, pandas, math, graphs), Origin, Excel (VBA, MACROS), PowerPoint, CRM (Bitrix24) |
| Certificates (Coursera): Excel for Business, Politics and Economics of International Energy |