

Cezary Pilaszewicz

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Experience

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| Research Assistant at Information Security Group, Freie Universität Berlin | Apr 2022 - now |
| <ul style="list-style-type: none">Conducted research on mathematical foundations relevant to quantum computing in the context of cryptography and cryptanalysisDeveloped post-quantum secure cryptographic protocols tailored for the banking sectorPrepared project proposals for BMBF funding projectsAssisted in teaching cryptanalysis courses | |
| Android Developer at Virtual Solution AG, Berlin | Sep 2017 - Feb 2022 |
| <ul style="list-style-type: none">Contributed to the development of a secure mobile application with a strong focus on design, usability, and securityCreated app concepts aligned with best practices and internal development standardsPerformed evaluation, documentation, and analysis of development outcomesWorked within an agile development framework | |

Education

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| PhD in Computer Science, Freie Universität Berlin | EGD Dec 2025 |
| <ul style="list-style-type: none">Topic: Enhancements of symmetrical cryptanalysis with quantum computersFocus on algebraic cryptanalysis methods | |
| Master's in Computer Science, Freie Universität Berlin | 2022 |
| <ul style="list-style-type: none">Master's thesis: Optimization of the size of a quantum register for Shor's algorithmFocus on computer security in theory and praxis | |
| Bachelor's in Mathematics, Freie Universität Berlin | 2018 |
| <ul style="list-style-type: none">Bachelor's thesis: Evaluation of variational Autoencoders | |

Skills & Abilities

- Android, iOS development
- Python
- SageMath

Languages

- English - Full professional proficiency, FCE
- German - Full professional proficiency, DSH
- Polish - Native speaker