

# Peter Rakyta

## Physicist



Budapest, Hungary, 1223



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peter.rakyta@ttk.elte.hu

Reliable team player with good communication and problem-solving skills. Organized and dependable candidate successful at managing multiple priorities with a positive attitude. Willingness to take on added responsibilities to meet team goals.

## Skills



Research program planning

■ ■ ■ ■ ■  
Excellent

Research implementation

■ ■ ■ ■ ■  
Excellent

Self-motivated professional

■ ■ ■ ■ ■  
Very Good

Computer proficiency

■ ■ ■ ■ ■  
Excellent

Critical thinking

■ ■ ■ ■ ■  
Very Good

## Work History



2020-11 - Current

### Researcher

*Department of Physics of Complex Systems, Eötvös Loránd University,  
Budapest, Hungary*

Quantum Information National Laboratory

- Improved and developed numerical algorithms and implemented them for high performance computing
- Coordinated the workflow of the Laboratory of Quantum Computer Emulators
- Collaborated with team members to initiate best practices to achieve organizational goals.

- Wrote research papers, reports, reviews and summaries.

**2014-04 - Current**

## **Forensic Specialist**

*Ministry of Justice, Budapest, Hungary*

- Attended and examined scenes of crimes.
- Reconstructed crime scenes to determine relationships among pieces of evidence.
- Served as expert witness in court of law by explaining analysis procedures.

**2017-01 - 2021-11**

## **IT Adviser**

*Digital Success Nonprofit Ltd., Budapest, Hungary*

- Planned, developed and implemented strategies to convey information with key decision makers.
- Produced detailed reports outlining key issues and proposed solutions.
- Anticipated responses and prepared clear and articulate answers.

**2020-11 - 2021-10**

## **Researcher**

*Department of Physics of Complex Systems, Eötvös Loránd University, Budapest, Hungary*

Quantum Technology National Excellence Program (No.2017-1.2.1-NKP-2017-00001)

- Studied and solved complex problems using scientific computing.
- Developed and analyzed computer models and simulations.
- Assessed and evaluated data using complex calculations and computer modeling.

**2017-10 - 2020-09**

## **Postdoctoral Researcher**

*Department of Physics of Complex Systems, Eötvös Loránd University, Budapest, Hungary*

Postdoctoral Programme of the National Research, Development and Innovation Office (10/01/2017-10/31/2020)

- Conducted independent research in solid state physics and development to attain short and long-term objectives.
- Drafted manuscripts and presented findings at major conferences.
- Wrote and published peer-reviewed articles concerning findings and highlighted possible applications for findings.

**2013-03 - 2019-12**

## **Teaching Volunteer**

*Department of Materials Physics, Department of Physics of Complex Systems, Eötvös Loránd University, Budapest, Hungary*

- Advanced courses of classical optics, theory of special relativity, and

thermodynamics.

- Established and maintained positive relationships with students to foster environment of support and open communication.
- Graded homework, tests and quizzes to keep accurate track of student performance.
- Supervised 3 BSc and 2 MSc theses.
- Instructed students through lectures, discussions.

**2015-09 - 2017-08**

### **Postdoctoral Research Fellow**

*Department of Physics of Complex Systems, Eötvös Loránd University, Budapest, Hungary*

MTA Postdoctoral Fellowship Programme

- Published research results in peer-reviewed journals and presented at seminars and meetings.
- Pursued independent and complementary research interests to achieve.

**2013-09 - 2015-08**

### **Postdoctoral Research Fellow**

*Department of Theoretical Physics, Budapest University of Technology and Economics, Budapest, Hungary*

MTA Postdoctoral Fellowship Programme

- Conducted research guided by faculty supervisor in accordance with institutional and federal guidelines.
- Authored professional scientific papers for publishing in peer-reviewed journals.

**2009-09 - 2012-12**

### **Software Developer**

*ElteSoft Ltd., Budapest, Budapest*

- Developed software for both desktop and mobile operating systems.
- Participated in software field testing to verify in-situ performance of developed projects.

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## **Education**



**2000-09 - 2004-06**

### **High School Diploma**

*Selye János High School - Komárno, Slovakia*

**2004-09 - 2009-07**

### **Master of Science: Physics**

*Eötvös Loránd University - Budapest*

**2009-09 - 2012-08**

### **Ph.D.: Physics of Condensed Matters**

*PhD School in Physics At The Eötvös Loránd Univers - Budapest*



## Scientific Databases

<b>MTMT</b>	<i>10029799</i>
<b>ORCID</b>	<i>0000-0002-3506-558X</i>
<b>Researcher</b>	<i>J-2851-2018</i>
<b>Scopus</b>	<i>19337455000</i>