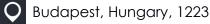
## Peter Rakyta

Physicist

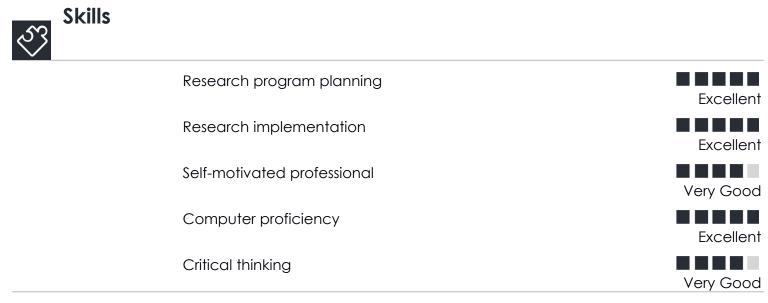


+3630 517 1580



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.







#### 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.

### Education

| 2000-09 - 2004-06 | <b>High School Diploma</b><br>Selye János High School - Komárno, Slovakia                            |
|-------------------|--|
| 2004-09 - 2009-07 | Master of Science: Physics<br>Eötvös Loránd University - Budapest                                    |
| 2009-09 - 2012-08 | Ph.D.: Physics of Condensed Matters<br>PhD School in Physics At The Eötvös Loránd Univers - Budapest |



# Scientific Databases

| мтмт       | 10029799            |
|------------|---------------------|
| ORCID      | 0000-0002-3506-558X |
| Researcher | J-2851-2018         |
| Scopus     | 19337455000         |
|            |                     |