Silviya Stateva, Ph.D.

Date of Birth: 13/10/1984

Nationality: Bulgarian

View Portfolio

Experienced researcher with a Ph.D. in Biochemistry, currently transitioning into the tech industry. I have a **strong background in analyzing large and complex datasets**, complemented by practical experience in **Python and SQL**. Currently expanding my skills in software quality assurance through a **QA course** at SoftUni, focusing on bug detection, test case creation, and manual testing.

Work History

Postdoc, Universidade NOVA de Lisboa, Lisbon, Portugal

April 2019 - July 2023

- Led interdisciplinary projects involving data processing and analysis, focusing on protein phosphorylation.
- Managed large datasets and performed statistical analyses to interpret experimental results.
- Employed critical thinking and creativity to analyze complex data, organize experiments, and produce insightful reports.
- Curated and developed a comprehensive database of the *E. coli* phosphoproteome, featuring over 12,000 phosphosites on more than 2,000 gene products, using Django, Python, and PostgreSQL. **See Live App**

Senior Expert, GMO Lab, Environmental Executive Agency, Ministry of Environment and Water, Sofia, Bulgaria

May 2018 - April 2019

- Conducted sample analysis using advanced molecular biology techniques, such as qPCR, in compliance with ISO and GLP standards.
- Contributed to the evaluation and implementation of new bioanalytical processes.

Postdoc, Bulgarian Academy of Sciences, Sofia, Bulgaria

February 2016 - February 2018

- Managed projects focused on cancer biology, drug discovery, and bio-nanotechnology.
- Analyzed and processed large datasets related to drug development and nanotechnology, contributing to significant research publications.

Biology related techniques: Mammalian cell culture, cell transfection techniques, SDS-PAGE and Western blots, immunoprecipitation techniques, ELISA, purification and characterization of recombinant proteins, molecular cloning and vector preparation, PCR, site-directed mutagenesis, confocal microscopy, UV-Vis and fluorescence spectroscopy, circular dichroism spectroscopy, QCM, isothermal titration calorimetry, enzymology, cyto- and genotoxicity assays.

Contact Information

✉ digilabsrs@gmail.com

📞 (00359) 0894 061 189

in R^G ◯

Education

September 2024 - October 2024

- QA basics, UniSoft, Sofia, Bulgaria

February 2023 - March 2024

- Full Stack Web Development, CareerFoundry GmbH, Germany

January 2012 - July 2015

- Ph.D. in Biochemistry, Autonomous University of Madrid, Spain

October 2007 - July 2009

- M.S. in Cell Biology, Sofia University 'St. Kliment Ohridski'

October 2003 - July 2007

- B.S. in Molecular Biology, Sofia University 'St. Kliment Ohridski'

Skills

- Strong Critical Thinking Skills
- Complex Problem Solving
- Data Processing & Analysis
- Data Management & Compliance
- HTML5, CSS3, Tailwind CSS
- JavaScript, Python
- MongoDB, PostgreSQL, SQL
- GitHub, Git, Jira, Postman
- Microsoft Office Suite (Word, Excel, Outlook)

Languages

Bulgarian (native)

English