Maria Szegedy

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Github, Gitlab

See also my online CV:

https://mszegedy.github.io/cv

EDUCATION & CERTIFICATIONS

AWS Certified Solutions Architect—Associate
Issued 2024 May 10
Expires 2027 May 10
Available at https://mszegedy.github.io/cv/assets/pdfs/aws-solutions-architect-assoc-cert.pdf.

Bachelor of Science, in Biomedical Engineering (Tissue Engineering and Molecular Bioengineering option)
Additional major in Molecular Biology and Biochemistry
Additional major in Physics (professional option)
Rutgers University, New Brunswick, NJ, August 2021

PUBLICATIONS

Leman, J.K., Weitzner, B.D., Lewis, S.M. *et al.* Macromolecular modeling and design in Rosetta: new methods and frameworks. *Nat Methods* **17**, 665–680 (2020). doi: 10.1038/s41592-020-0848-2.

EXPERIENCE

Research Assistant 2017–2020
Rutgers University, Department of Quantitative Biomedicine, Piscataway, NJ

- Research assistant to Professor Sagar Khare.
- Used PyRosetta to investigate thermostability of certain designed proteins.
- Wrote API to allow use of molecular dynamics within Rosetta; presented it at RosettaCon 2018 and 2019.

Programming Instructor & Tutor Fall 2019–Spring 2020
Rutgers IEEE N2E Coding Club, Rutgers University

- Gave weekly lessons on MATLAB to first years for N2E Coding Club.
- Tutored biomedical engineering graduate students on Mathematica.

RELEVANT COURSES

Intro to Computing for Engineers:
MATLAB. Received A.

Computer-based Experimentation in Physics:
Signal-processing benchwork and computation. Received A.

Modern Physics Experimentation:
Intense, around-the-clock work with complex physics workflows and equipment. Received B+.