

## **\*\*Resume\*\***

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**\*\*Full Name:\*\*** Dimitra Sarantopoulou

**\*\*Industry:\*\*** Research

**\*\*Job Title:\*\*** Bioinformatician

### **\*\*Contact Information:\*\***

- Email: nemesis.ds@gmail.com, demisarantopoulou@gmail.com
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**\*\*Location:\*\*** Philadelphia, Pennsylvania, USA

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### **\*\*Skills:\*\***

- Perl
- Bioinformatics
- HTML
- MySQL
- Software development (Java, PHP, Python, Ruby)
- Sequence analysis
- Scripting
- Molecular biology
- Linux
- Javascript
- SQL
- Hidden Markov models
- Structural bioinformatics
- Computer software
- Data analysis
- Genomics
- RNA-seq
- Transcriptomics
- Bioconductor
- NGS
- Computational biology
- Proteomics
- Linear modeling

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### **\*\*Work Experience:\*\***

#### **\*\*Bioinformatician\*\***

National Institute on Aging (NIA) | Philadelphia, Pennsylvania, USA | Aug 2019 - Present

- Analysis and integration of NGS and Omics data (bulk and single cell RNA-seq, ATAC-seq, DNA methylation, proteomic flow cytometry and CyTOF phenotyping) using computational and statistical approaches.
- Develop algorithms and pipelines for biological data processing, management, modeling and visualization.
- Interpret complex datasets to drive research on inflammation and immune dysfunction that occurs with human aging.
- Efficient project manager for highly variable projects, with meticulous attention to detail.
- Leader of online and classroom training using interactive learning methods.
- Collaborator in large consortiums for combinatorial personalized medicine.

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**\*\*Education:\*\***

Master Diploma in Bioinformatics | University of Athens, Greece

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**\*\*Languages:\*\*** English (Fluent), Greek (Native)

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**\*\*Interests:\*\*** Horse riding, dance, travels, photography, biking, music, e-learning, organizing special and unique events, extreme sports, making collages/puzzles, swimming.

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**\*\*Technical Proficiencies:\*\***

- Git: max forks (3), max stars (2), number of repos (38)

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**\*\*Professional Memberships:\*\***

- Bioinformatics Society
- American Society for Biochemistry and Molecular Biology

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**\*\*Certifications:\*\***

- Certified Bioinformatics Analyst (CBA) - Pending

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**\*\*References:\*\*** Available upon request.