

# Eric Thomas

## SOFTWARE ENGINEER

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### OBJECTIVE

With a strong background in molecular biology and skills in programming languages such as Python and R, I am skilled at analyzing data, developing bioinformatics pipelines, and interpreting results to advance research in the field.

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### EXPERIENCE

#### SOFTWARE ENGINEER AT SIMULATIONS PLUS - LANCASTER, CA, USA

Sep 2020 – Oct 2023

I have participated in developing cutting-edge simulation software for the pharmaceutical industry, as well as opportunities for professional growth and advancement within the field of computational biology and chemistry.

My primary area of expertise lies in developing simulation software, designing user interfaces, and integrating them with other systems.

#### BIOINFORMATICIAN AT NOVOGENE – SHENZHEN, CHINA

Oct 2017 – Jun 2020

I have created and built robust backend systems and APIs for bioinformatics pipelines and genomic data analysis workflows. Additionally, I have connected third-party services and APIs to enhance system functionality and ensure seamless compatibility with external platforms.

I have utilized Azure App Service tools for ongoing deployment and efficient monitoring.

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### SKILLS

- Python, R, C/C++, JavaScript, PHP, C#, Shell Scripting, Perl
- MySQL, MS SQL, MongoDB
- LAMP, XAMPP, WAMP
- RESTful API, Backend, UI
- Natural Language Processing, Multivariate Analysis, Pandas, NumPy, Bigdata, ChatGPT, GROMACS
- DevOps, CentOS, Ubuntu, Unix, Xen server, vCenter Server
- Bioinformatics, Biochemistry, Molecular Biology

### CONTACT

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### ABOUT ME

I am eager to use my knowledge to explore the mysteries of genomics, proteomics, and other biological processes, ultimately driving advancements in healthcare and biotechnology.

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### EDUCATION

Presbyterian College, 2014

BA in Computational Biology

College of Charleston, 2017

Ph.D. in Mathematics with Computation

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### LANGUAGE

English - fluent

Chinese – intermediate

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### CERTIFICATE

Software Engineer Certificate from HackerRank

<https://www.hackerrank.com/certificates/a18aabe3988d>