

John Stubbs

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Summary

Results driven, ambitious, focused PhD student enrolled in University of Virginia's Biomedical Sciences Graduate Program (BIMS) with three years practical data analysis and software development experience in biomedicine. Recognized for possessing a strong work ethic and a passion for software and technology initiatives. Adaptable, motivated, and experienced developer seeking a growth-oriented company for an entry-level software developer role.

Experience

PhD Student Researcher

University of Virginia School of Medicine • Charlottesville, Virginia

08/2019 - Present

I utilizing statistical models and computational techniques to make novel discoveries about the genetics of heart disease.

- Characterized heart disease by developing computational models (R, Python) to analyze genomic heart-related sequencing data
- Wrote software (R, Python) to process and analyze sequencing datasets, produce visualizations of data trends, and document results
- Applied modern statistical models (R, UNIX) to sequencing datasets
- Built RESTful API using FastAPI and containerized with Docker
- Developed professional presentations of research findings and results

Research Associate

National Institute of Health (NIH) • Bethesda, Maryland

05/2016 - 05/2019

At the National Institutes of Neurological Disease and Stroke, I researched a model of frontotemporal dementia (FTD) by performing image analysis of stem-cell derived neurons.

- Developed confocal imaging-based platform for the imaging of human cortical neuronal cultures
 - Wrote software for data cleaning, visualization, organization, and file manipulation of imaging data
 - Delivered weekly internal data presentations to supervisors
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Proficiencies

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|------------------------|------------------------|
| • Python | • R |
| • Powerpoint | • Statistical Analysis |
| • Databases | • GitHub |
| • Unit Testing | • Docker |
| • Software Development | • fastAPI |
| • Presentation Skills | • UNIX |
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Education

Biochemistry & Molecular Genetics

University of Virginia • Charlottesville, VA

08/2021

Masters of Science