

Christopher J. Fiscus, PhD

Bioinformatics Scientist

Research scientist specializing in genetics, genomics, and bioinformatics, with a demonstrated track record of effectively leading diverse projects.



Relevant Experience

Present
|
2022



Postdoctoral Researcher

University of California, Irvine

📍 Irvine, CA

- Designing and executing 3 original research projects in population and quantitative genetics by combining domain-specific knowledge with data analysis and visualization
- Creating and implementing bioinformatic pipelines and workflows to analyze next-generation sequencing (NGS) data in a high-performance computing (HPC) environment
- Communicating progress towards project objectives to stakeholders in a variety of mediums including oral presentations and written reports

2022
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2016



Graduate Student Researcher

University of California, Riverside

📍 Riverside, CA

- Executed 3 original research projects in computational biology, genomics, and population genetics as part of 2 international collaborations resulting in 1 peer-reviewed publication, 2 oral presentations, and 4 poster presentations
- Demonstrated leadership and project management skills by managing 5 direct report mentees
- Designed and implemented bioinformatic pipelines to analyze next-generation sequencing (NGS) data in a unix-based high-performance computing (HPC) environment

2015
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2016



Quality Control Laboratory Technician

Charles Krug Winery

📍 St. Helena, CA

- Conducted enology laboratory tests at all stages of production to ensure compliance with legal and product quality specifications
- Promoted from Harvest Laboratory Technician role within 6 months
- Developed 5 SOPs for quality control laboratory assays



Education

2022



PhD Genetics, Genomics and Bioinformatics

University of California, Riverside

2015



BS Biotechnology

University of California, Davis

Contact

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Skills

General

Data analysis
Data visualization
Statistical programming
Project management
Problem-solving
Communication

Programming languages

R, bash, python

NGS analysis & algorithms

bwa, GATK, samtools, bedtools, fastqc, plink

High-performance computing

slurm, CentOS, Unix

Misc computational tools

conda (package manager)
git (version control)
snakemake (workflows)

Hobbies

Music

play guitar and bass

Photography

landscapes, astro, plants