CHRISTOPHER J. FISCUS

Bioinformatics Scientist

Experienced scientist specializing in plant evolutionary genetics, genomics, and bioinformatics, with a proven track record of successfully driving research projects.

Committed to making a meaningful and lasting impact by driving positive change and contributing to advancements that benefit society.

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 | 2017

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

EDUCATION

2022

PhD Genetics, Genomics and Bioinformatics
University of California, Riverside

2015

BS Biotechnology
University of California, Davis

CONTACT

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in /in/cjfiscus

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