MARGARET DONOVAN

Bioinformatician | genomicist

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📍 Menlo Park, CA

EDUCATION

PhD in Bioinformatics and Systems Biology

University of California, San Diego

Sept 2015 - Dec 2019   📍 La Jolla, CA

Thesis Advisor: Dr. Kelly Frazer

Thesis: *Understanding the cellular heterogeneity of fetal-like and adult tissues to study cell-type-specific functional genetic variation*

National Library of Medicine Fellow (2015 - 2018)

ARCS Scholar (2019)

BS in Bioengineering

University of California, Santa Cruz

Sept 2009 - Aug 2013   📍 Santa Cruz, CA

Concentration in molecular biology, minor Bioinformatics
Graduated with Honors

Thesis Advisor: Dr. Amy Ralston
Thesis: *Developing a wound-healing assay to evaluate the effects of age on the function of iPSC-derived fibroblasts**

EXPERIENCE

Graduate Student Researcher

University of California, San Diego | Frazer Laboratory

June 2016 - December 2019   📍 La Jolla, CA

Bioinformatics Research Associate

Illumina inc. | Protein Engineering Group

Dec 2013 - June 2015   📍 La Jolla, CA

Undergraduate Student Researcher

University of California, Santa Cruz | Ralston Laboratory

June 2012 - Aug 2013   📍 Santa Cruz, CA

Advanced Technology Intern

BD Biosciences | Advanced Technology Group

June 2011 - Sept 2011   📍 San Jose, CA

SUMMARY

I'm a recent UCSD Bioinformatics graduate interested in studying cell function at single cell type resolutions. When not in lab or at my computer, you can find me eating unnecessary amounts of Sriracha, traveling, or writing sci-fi stories.

SKILLS

Genomics

R

Python

Data visualization

Google

COURSES

Bioinformatic Algorithms (UCSD)

Principles of Biomedical Informatics (UCSD)

Statistical Methods in Bioinformatics (UCSD)

Statistical Learning in Bioinformatics (UCSD)

Genomics, Proteomics, and Network Biology (UCSD)

Technical Writing for Computer Engineers (UCSC)

ORGANIZATIONS

Graduate Bioinformatics Council
VP Internal Affairs 2017-2018

Scientista Foundation
Co-director 2018-2019
Website Developer, Webmaster 2017-2019

Biomedical Informatics
Pre-doctoral Representative 2017-2018

PUBLICATIONS