

MARGARET DONOVAN

Bioinformatics and Systems Biology Doctoral Candidate

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📍 San Diego, CA



EDUCATION

PhD in Bioinformatics and Systems Biology

University of California, San Diego

Sept 2015 - exp. Dec 2019

📍 La Jolla, CA

Thesis Advisor: Dr. Kelly Frazer

Thesis: *Understanding the cellular heterogeneity of fetal-like and adult tissues to identify cell-type-specific eQTLs*

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**

*selected for Dean's Award; Top 5% of Undergraduate Thesis within Jack Baskin School of Engineering

EXPERIENCE

Graduate Student Researcher

University of California, San Diego | Frazer Laboratory

June 2016 - ongoing

📍 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 currently a graduate student interested in understanding how genetic variation impacts genome function and disease. When not in lab, you can find me eating an unnecessary amount of Sriracha, traveling, and writing sci-fi stories.

SKILLS

Genomics



R



Python



Data visualization



Google



Publications

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

Full CV available upon request.