

Contact

(510) 424-2113 (Mobile)
michael.martyn.92@gmail.com

www.linkedin.com/in/
michaelryanmartyn (LinkedIn)

Top Skills

CRISPR

Bioinformatics

Experimental Biology

Certifications

Unit Testing and Test Driven
Development in Python

Introduction to Machine Learning

Honors-Awards

Award of Excellence

Club Colours

£10,000 Newcastle University
Postgraduate Scholarship

Publications

Lightbulb made of modified E. coli
fuses biology and electronics

Michael R. Martyn III

Bioinformatics Engineer at Zymergen, Inc.
San Francisco Bay Area

Summary

Biology + software

Experience

Zymergen, Inc.

3 years 3 months

Bioinformatics Engineer

March 2020 - Present (2 months)

Research Associate III

January 2019 - March 2020 (1 year 3 months)

San Francisco Bay Area

Research & Development

Research Associate II

January 2018 - December 2018 (1 year)

San Francisco Bay Area

Research & Development

Research Associate

February 2017 - December 2017 (11 months)

San Francisco Bay Area

Research & Development

Newcastle University

9 months

Research Assistant - School of Computing Science

August 2016 - December 2016 (5 months)

Newcastle upon Tyne, United Kingdom

As a member of the Interdisciplinary Computing and Complex BioSystems (ICOS) research group, I worked on the EPSRC-funded Newcastle University Frontiers in Engineering Biology (NUFEB) project. The NUFEB project aims to engineer wastewater microbial communities for enhanced micro-pollutant degradation.

I contributed to the project both within the lab and software based, with my main contribution being the development, and in vivo validation, of a Python toolkit to aid the genetic engineering of bacterial communities via a multiplex CRISPR-Cas9 approach.

Adviser - 2016 International Genetically Engineered Machines (iGEM) competition

April 2016 - October 2016 (7 months)

Newcastle upon Tyne, United Kingdom

First Masters student at Newcastle University to be appointed an Adviser to the Newcastle University iGEM team during the annual international Synthetic Biology competition for collegiate students. During the project, I mentored the team on in silico modelling, biological part design and documentation.

Education

Newcastle University

Master of Science (MSc), Synthetic Biology · (2015 - 2016)

University of San Francisco

Graduate Certificate, Machine Learning · (2018 - 2018)

Newcastle University

Bachelor of Science (BSc) (Hons), Cellular and Molecular Biology · (2012 - 2015)

Burnley College Sixth Form Centre

A levels: Biology, Chemistry, Physics, Geography, Maths (AS) · (2009 - 2012)