

MEGPIRRUNG CURRICULUM VITAE

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CURRENT POSITION **PHD CANDIDATE** [2013:]
Goerg Lab
University of Colorado Anschutz Medical Campus

EDUCATION **COMPUTATIONAL BIOLOGY GRADUATE PROGRAM** [2010:]
University of Colorado Anschutz Medical Campus

BIOCHEMISTRY GRADUATE PROGRAM [2008:2010]
University of Colorado Boulder

BACHELOR OF SCIENCE IN COMPUTER SCIENCE [2004:2008]
Bowling Green State University, College of Arts and Sciences

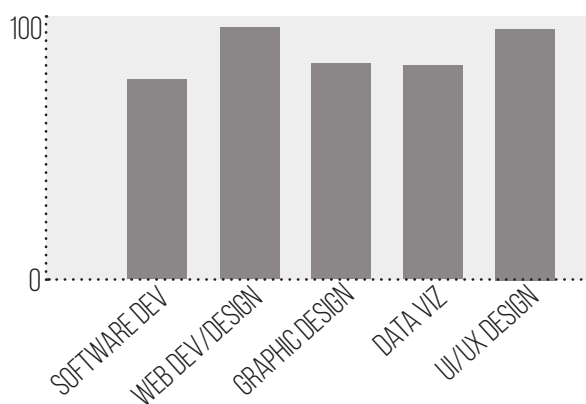
AWARDS & GRANTS

NLM TRAINING GRANT JUL 2013
NLM TRAINING GRANT JUL 2012
NLM TRAINING GRANT AUG 2010
NLM TRAINING GRANT AUG 2009
SOL SIEGAL SCHOLARSHIP PROGRAM AUG 2007
NASA SEMAA NEXT GENERATION PIONEER SEP 2006
SOL SIEGAL SCHOLARSHIP PROGRAM AUG 2006
SOL SIEGAL SCHOLARSHIP PROGRAM AUG 2005

[SPOKEN | SCRIPTING | PROGRAMMING] LANGUAGES

ENGLISH	*****
JAPANESE	*****
SPANISH	*****
PYTHON	*****
JAVASCRIPT	*****
HTML	*****
JAVA	*****
C++	*****

SUBJECT AREAS OF EXPERTISE



SKILLS & TOOLS

ADOBE SUITE
D3.JS
JQUERY/UI
CSS
BIOINFORMATICS
SHELL
WORDPRESS CMS

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PREVIOUS POSITIONS

TEACHING ASSISTANT 2012

Marine Biological Laboratory STAMPS program

ROBOTICS TEACHER 2010

University of Colorado Upward Bound Program

GRADUATE MENTOR 2010

University of Colorado SMART Program

UNDERGRADUATE RESEARCH ASSISTANT 2006:2008

Bowling Green State University

COMPUTER CONSULTANT 2005

Residential Computing Connection, Bowling Green State University

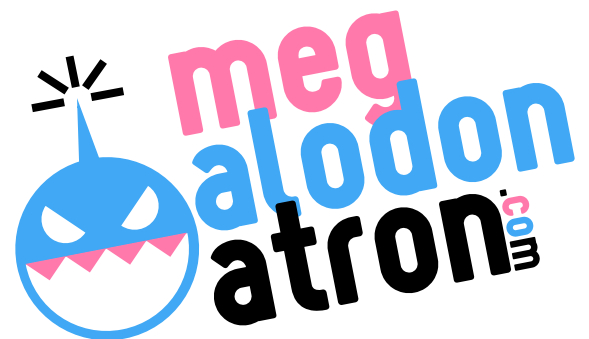
WEB DESIGN INTERN 2005

Thumbprint Ltd., formerly ECRM-Online, Solon Ohio

GRAPHIC DESIGN INTERN 2003

NASA Glenn Research Center, Cleveland Ohio

PORTFOLIO



PUBLICATIONS

BACTERIA FROM DIVERSE HABITATS COLONIZE AND COMPETE IN THE MOUSE GUT; Seedorf et al. [Cell 2014]

EMPEROR: A TOOL FOR VISUALIZING HIGH-THROUGHPUT MICROBIAL COMMUNITY DATA; Vázquez-Baeza Y, Pirrung M, Gonzalez A, Knight R. [Gigascience 2013]

REPLENISHING OUR DEFENSIVE MICROBES; Ursell LK, Van Treuren W, Metcalf JL, Pirrung M, Gewirtz A, Knight R. [Bioessays 2013]

EVIDENCE FOR A PERSISTENT MICROBIAL SEED BANK THROUGHOUT THE GLOBAL OCEAN; Gibbons SM, Caporaso JG, Pirrung M, Field D, Knight R, Gilbert JA. [Proc Natl Acad Sci 2013]

TOPIARY EXPLORER: AN APPLICATION FOR CONNECTING LARGE PHYLOGENETIC TREES TO ENVIRONMENTAL METADATA; Meg Pirrung, Ryan Kennedy, J. Gregory Caporaso, Jesse Stombaugh, Doug Wendel, and Rob Knight [Bioinformatics 2011]

QIIME ALLOWS ANALYSIS OF HIGH-THROUGHPUT COMMUNITY SEQUENCING DATA.; Caporaso et al. [Nat Methods 2010]

PRESENTATIONS

IEEEVIS DOCTORAL COLLOQUIUM 2014 TALK AND POSTER PRESENTATION: "Visualizing Microbiome Data for Scientific Analysis & Communication"

ROCKY 2013 TALK AND POSTER PRESENTATION: "Experimental Determination of Useful and Informative Visualizations of Microbial Ecology Data for Public and Scientific Audiences"

BIOVIS 2013 POSTER PRESENTATION; "Experimental Determination of Useful and Informative Visualizations of Microbial Ecology Data for Public and Scientific Audiences"

OPEN HARDWARE SUMMIT 2012 TALK; "Envobe"

VIZBI 2011 POSTER PRESENTATION; "TopiaryExplorer"

ROCKY 2010 POSTER PRESENTATION; "TopiaryExplorer"

ROCKY 2009 POSTER PRESENTATION; "QIIME (Quantitative Insights Into Microbial Ecology) Dynamic Rarefaction Graph"

RNA 2007 POSTER PRESENTATION; "Automated RNA multiple sequence alignment using hybrid Stochastic Context-Free Grammars/Markov Random Fields to model base clusters and motif swaps"

BGSU RESEARCH CONFERENCE 2007 POSTER PRESENTATION; "Automated RNA multiple sequence alignment using hybrid Stochastic Context-Free Grammars/Markov Random Fields to model base clusters and motif swaps"

NASA SEMAA NEXT GENERATION PIONEER SPEECH, 2006

Robotics programming demonstration for Dr. Adena Williams Loston, Associate Administrator for Education at NASA, 2003, NASA Glenn Research Aerospace Education Laboratory

CODE SAMPLES

[HTTPS://GITHUB.COM/MEGANAP](https://github.com/MEGANAP)