

ADAM LAVERTU

450 Oak Grove Apt. 106, Menlo Park, CA 94025 • (207) · 509 · 8529 · adamlavertu@gmail.com

EDUCATION

Colby College

Bachelor of Arts, May 2016

Major: Computational Biology **Minor:** Chemistry

The Jackson Laboratory

Summer 2015

Summer Student Program

SKILLS SUMMARY

Computer Languages

Java, Python, R, Unix

Data Analysis

RNA-Seq, BAC Sequence, Sequence Alignments, Phylogenetic Trees

Wet Lab Skills

Immunoblots, PCR, Bacterial Cell Culture, Sterile Technique

EXPERIENCE

The Jackson Laboratory

May 2015 - August 2016

Research Intern - Bult Lab

Bar Harbor, ME

- Analyzed RNA-Seq data from Patient-Derived Xenograft Models
- Separated host and graft RNA-Seq reads in *in silico*
- Used enrichment analysis to identify changes in gene expression associated with the presence of the human tumor in the murine host epithelial tissue

Colby College

May 2014 - August 2016

Research Assistant - Peck Lab

Waterville, ME

- Studied transmembrane protein interactions in *Halobacterium Salinarum*
- Used multiple sequence alignments, phylogenetic trees, and mutual information analysis to interrogate *bop* and *lye* genes for evidence of coevolution
- Constructed *H. Salinarum* strains with tagged proteins
- Performed immunoblots and silver stains on protein isolate

Colby College

September 2013 - May 2015

Research Assistant - Mitchell Lab

Waterville, ME

- Computationally identified prospective cyclins and cyclin-dependent kinases from within the novel sequenced *Symbiodinium minutum* genome

OTHER EXPERIENCE

Office of Campus Events

January 2013 - May 2016

Office Assistant

Waterville, ME

- Scheduled campus events and supervised other student workers

Colby Volunteer Center

April 2014 - May 2016

Co-Director

Waterville, ME

- Coordinated all on and off campus student volunteering
- Organized large community events