


# Kohl Kinning

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 kohlkopf | kohlkinning.com

[ACHIEVED]

## RESEARCH

### Graduate Research Assistant | Stowers Institute, Dr. Yu Lab | Kansas City MI

Fall 2017

*Single Cell Analysis of the Olfactory Epithelium*

- Implemented quality control of read data
- Performed differential expression analysis
- Elucidated specific marker genes of single cell data

### Undergraduate Research Project | Lewis & Clark College | Portland, OR

Spring 2016

*Horizontal Gene Transfer as a Mechanism for the Gain of Polyketide Synthase Type I Gene in Lichens*

- Produced preliminary phylogenetic analysis utilizing Bayesian and maximum likelihood methods of inference for phylogeny
- Drafted a formal grant proposal for the project

## SKILLS

### Languages

Python | R | MySQL  
PHP | HTML | CSS | LaTeX  
Arduino | Assembly

### Tools

git | bash | slurm  
jupyter | r studio | MrBayes  
RNA-seq library prep

### Analyses

UMI analysis | genome assembly  
differential expression  
Bayesian inference phylogeny

### Bioinformatics and Genomics Workshop for Undergraduates | Reed College

Winter 2015

- Organized by Dr. Sarah Schaack
- Explored diverse tools used for bioinformatic analysis

### LaTeX for Scientific Writing Workshop | Lewis & Clark College

Spring 2014

- Learned fundamentals of LaTeX
- Identified the utility of LaTeX in a scientific context

### FAA Private Pilot License | Broomfield, CO

Summer 2015

## EDUCATION

### Master of Biology, Bioinformatics & Genomics Program | University of Oregon

Notable project: Single Cell Analysis of the Olfactory Epithelium

Winter 2018

### Bachelor of Arts, Biology | Lewis & Clark College

Computer Science Minor

Spring 2016

Upper level courses: Molecular Biology, Phylogenetics, Architecture & Assembly Language, Big Data

## EMPLOYMENT

### Curatorial Assistant | Lewis & Clark College | Portland, OR

Summer 2015

- Revitalized a Natural History Collection belonging to the school
- Developed a database (MS Access, MySQL) for data storage
- Learned current curatorial standards

**System Technician/IT Helpdesk** | *RK Mechanical* | Denver, CO

- Maintained software, workstations, cellphones, and telephones at the enterprise level
- Utilized a job ticketing system assisting ~1000 employees

*Summer 2010/2012*

**Plumbing/HVAC Estimator** | *RK Mechanical* | Denver, CO

- Experienced with Microsoft Excel and estimating software (QuoteExpress)

*Summer 2011*