

# Colin Diesh

Bioinformatics Software Engineer

## Contact

### Email

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### Phone

3038868691

## About

## Profiles

### GitHub

cmdcolin (<http://github.com/cmdcolin>)

## Work

**University of Missouri, Columbia** — 2013-11-01 — Present

### Research Analyst

The Elsie lab is focused on creating databases and resources for model organism communities, improving gene prediction, and developing annotation tools.

## Highlights

- Developed integrative data mining websites (BovineMine,

HymenopteraMine) based on the InterMine data warehousing system (PostgreSQL, Java, Ant, NodeJS)

- Contributed to the development of web-based manual gene annotation tool, WebApollo, and the genome browser, JBrowse (GitHub, Grails, Dojo, Front-end engineering)

## Education

**University of Colorado, Boulder** — 2009-08-01 — 2013-05-01

 **Computer Science**  
BS, Minor in Math

### Courses

- CSCI 4950-Senior Thesis, Advisor Debra Goldberg. "Comparison of transcription factor binding sites using ChIP-seq experiments"

## Publications

**Bovine Genome Database: new tools for gleaning function from the Bos taurus genome.** 2015 Oct 19  
[View publication](#)

(<http://nar.oxfordjournals.org/content/early/2015/10/19/nar.gkv1077.full>)  
Published by **Nucleic Acids Research**

**Hymenoptera Genome Database: integrating genome annotations in HymenopteraMine** 2015 Nov 17  
[View publication](#)

(<http://nar.oxfordjournals.org/content/early/2015/11/16/nar.gkv1208.full>)  
Published by **Nucleic Acids Research**

## Skills

### Web Development

- Grails
- Hibernate

- Dojo
- NodeJS
- Electron

## Data analysis

- R
- Bash
- ggplot2

## Server administration

- Bash
- Tomcat
- Passenger
- PostgreSQL
- MySQL