Colin Diesh

Bioinformatics Software Engineer

Contact

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About

Profiles

GitHub
cmdcolin (http://github.com/cmdcolin)

Work

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

Research Analyst

The Elsik 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

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
- Dojo

- NodeJS
- Electron

Data analysis

- R
- Bash
- ggplot2

Server administration

- Bash
- Tomcat
- Passenger
- PostgreSQL
- MySQL