

JOYCE LING

WEB DEVELOPER

A full-stack web developer with a molecular biology background and experience with genomic data analytics. A proponent of modularized and easily scalable object-oriented programming. Invested in creating beautifully intuitive user experiences that harmonize smoothly with the back-end. Currently building an automated game of Clue as a side project to further practice programming and project management.

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PROJECTS

Remindr.life

A fully deployed, full-stack web application that sends alerts to a group of contacts specified by the user in a Remindr.. Utilizes and integrates multiple APIs, including Twilio, Google Contacts, and Filestack. Cloud deployment is done using Digital Ocean. Full security user authorization is built-in using Spring framework functionality. Custom styling is achieved with Bootstrap, HTML, CSS, jQuery, and JavaScript.

DadLister

Developed a full-stack Craigslist clone utilizing a MySQL database, Java, and Apache Tomcat for the back-end. The front-end consists of Bootstrap, custom CSS, JavaScript, JSPs, and partials. Registered users and newly created ads are saved into the database. Additional features include sticky forms, support for photo uploads, and search capabilities.

Movie Database

Developed a web-based application that stores movie information with delete, edit, and add functions. Utilizes modular JavaScript and a simulated API back-end with custom CSS and HTML.

WORK EXPERIENCE

Research Assistant

Institute of Behavioral Genetics
December 2015 - May 2017

- Conducted data analysis of large sets of genomic data with over 500,000 SNPs for independent honors thesis project, which culminated in defense with faculty panel (http://scholar.colorado.edu/honr_theses/1385/)
- Performed analysis with R and Python
- Worked through the Linux Terminal with command line and terminal text editors to run scripts

Resident Advisor

University of Colorado at Boulder
August 2016 - May 2017

- Supervised over 20 freshmen residents and provided one-on-one support to aid in goal-setting and personal growth
- Provided conflict mediation between students as well as customer service and administrative support at the front desk
- Planned, coordinated, and oversaw programming concerning the use of alcohol and other drugs, along with advocacy of janitorial staff in residence halls

EDUCATION

University of Colorado

Aug 2013 - May 2017

BA in Molecular Cellular
Developmental Biology

Magna Cum Laude
GPA: 3.75/4.0

Codeup

July 2017 - December 2017

Codeup is an immersive, full-stack career accelerator that provides students with 536+ hours of expert instruction in software development, including building projects such as interactive games/programs and API-driven widgets.

SKILLS

Back-end:

Java, MySQL, Spring, Apache Tomcat,
Cloud deployments, R

Front-end:

JavaScript, jQuery, JSON, HTML, CSS, Bootstrap

Software / Other:

IntelliJ IDEA, Sublime Text, Github, Linux