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JURAJ CECH

linkedIn
Github
Portfolio

EDUCATION

MS Entomology · University of Illinois
2009 - 2011 · 3.43 GPA

- **Curriculum Highlights**: PERL and Unix for Bioinformatics, Statistical Computing, Computational Genomics

App Academy · San Francisco, CA
October 2013-January 2014

- Immersive full stack web development course

SKILLS

Ruby, Ruby on Rails, JavaScript, React, Node, jQuery, SQL, git, HTML, CSS

EXPERIENCE

Chargeback Disputes Analyst
Square
San Francisco, CA — 2015

- Analyze data dealing with cardholder initiated chargeback disputes using pivot tables, vlookups, and macros.
- Negotiate between financial institutions, their cardholders, and merchants to resolve disputes of charges.

Mathematical Analysis of Bombus Colors
University of Illinois
Champaign, IL — 2009-2011

- Wrote novel scripts in R and Matlab to statistically analyze the spatial composition of bumble bee color patterns.
- Used Unix command-line BLAST searching of genomic sequence database to assemble genes.

RECENT PROJECTS

Full Stack Engineer
DaguerreoTyp · **github**

Instagram for the steampunk in all of us. Single-page React app consuming RESTful JSON Rails API.

- Cloudinary widget enables cloud storage of images rather than compression which enables fast database lookups and easy formatting of any image.
- Custom authentication using BCrypt overrides User#password= method to store secret hash instead of plain text.

Front End Engineer
BlockBreakers · **github**

A version of the classic Breakout game in pure JavaScript.

- Toggling requestAnimationFrame() enables pausing game.
- Varying block counts and ball speeds creates several difficulties and increasingly difficult levels upon finishing a given level.

Back End Engineer
Chess · **github**

Command line chess game written in Ruby.

- Depth-first search or breadth-first search determines valid moves based upon expected movement of individual pieces.
- Pieces inherit from SlidingPiece and SteppingPiece classes which inherit Piece class.