

Portfolio

Entente.io | [Live](#) | [Github](#)

Discover a new community and explore upcoming hosted events.

- ❑ A React/Flux frontend consumes a REST API implemented with Ruby on Rails and PostgreSQL.
- ❑ RSpec and Capybara tests assert MVC and authentication functionality.
- ❑ Query optimization improves web performance and reduces load on database.
- ❑ Responsive UI design using Bootstrap and CSS3 media queries.

ChitChat | [Live](#) | [Github](#)

Chat application using sockets for real-time messaging.

- ❑ Built on Node.js, Socket.IO, and jQuery.
- ❑ Automatically logs user activity.

SkiFree | [Live](#) | [Github](#)

Classic 1991 Microsoft game in object-oriented Javascript and rendered on HTML5 Canvas.

- ❑ Original design of game physics for skier's movements in relation to ski slope.
- ❑ Keydown event listener handles multiple player velocities with natural sprite changes.

Instapixies | [Live](#) | [Github](#)

Search Instagram's media by hashtag and date.

- ❑ Single page web application built on Ruby on Rails, PostgreSQL, React, HTML/CSS, and Instagram API.
- ❑ Pagination to search older photos and videos falling within the user's initial query.

AnORM | [Github](#)

An Object Relational Mapper inspired by Active Record.

- ❑ Written in Ruby and SQL, and implements AR association methods: *has_many*, *belongs_to*, *has_one_through*.

Skills & Expertise

Ruby, Ruby on Rails, PostgreSQL, SQL, ReactJS, JavaScript, jQuery, HTML5, CSS3, Git, RSpec, Java

Work Experience

Research Scholar for the SENS Research Foundation and CASMI

University of Oxford, United Kingdom, June 2014 to August 2014

Presented at Rejuvenation Biotechnology Conference, Santa Clara, CA 2014

- ❑ Led and designed a systematic review of cell-based immunotherapies.

Undergraduate Researcher in The Hinck Lab, Department of Molecular, Cell and Developmental Biology

University of California, Santa Cruz, CA, February 2013 to June 2014

Awarded Undergraduate Research in the Sciences at UCSC in 2014

- ❑ Co-author on an academic publication in Stem Cell Reports: SLIT/ROBO2 signaling promotes mammary stem cell senescence by inhibiting Wnt signaling. Hinck et al. (2014) Stem Cell Reports 3(3): 385-393.

Education

App Academy, Intensive Full Stack Web Development Program, < 5% acceptance rate

San Francisco, CA, October 2015 to January 2016

Topics include: pair programming, TDD, coding style (DRY), algorithms, data structures, OOP, security, REST

Foothill Community College, Computer Science online coursework

Los Altos Hills, CA, April 2015 to June 2015

Introduction to Software Design, JavaScript for Programmers

University of California, Santa Cruz, Bachelor of Science, Neuroscience

Santa Cruz, CA, October 2009 to June 2014

Curriculum Highlights: Computer Science Dept.: Introduction to Programming (Java), Data Structures (Java, C)

Mathematics Dept.: Multivariable Calculus, Probability, Statistics

Biomolecular Engineering Dept.: Python for Bioinformatics, Computational Research Tools