

Portfolio

Entente.io | **Full Stack Engineer** | [Live](#) | [Github](#)

Discover a new community and explore upcoming hosted events.

- Built on a RESTful API using Ruby on Rails, PostgreSQL, React/Flux, jQuery, and HTML/CSS.
- BCrypt User Authentication to salt and hash passwords for secure database storage.
- Query optimization improves web performance and reduces load on database.
- Responsive UI design using CSS3 media queries.

sherizada.com | **Front End Engineer** | [Live](#) | [Github](#)

- Written in React, HTML, CSS3.
- CSS3 animations for rendering React components.

SkiFree | **Front End Engineer** | [Live](#) | [Github](#)

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

- Original design of game mechanics.
- Keydown event listener handles multiple player velocities with natural sprite changes.

Instapixies | **Full Stack Engineer** | [Live](#) | [Github](#)

Search Instagram's media by hashtag and date.

- Single page web application built on Ruby on Rails, React, jQuery, and HTML/CSS.
- Server-side API calls to Instagram fetch recent media via HTTParty gem.
- Pagination to search older photos and videos falling within the user's initial query.

AnORM | **Back End Engineer** | [Github](#)

An Object Relational Mapper inspired by Active Record.

- Written in Ruby and SQL.
- 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

Education

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

San Francisco, CA, October 2010 to January 2016

Topics include: algorithms, data structures, coding style, security, REST, OOP, TDD

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

Santa Cruz, CA, October 2009 to June 2014

Curriculum Highlights: Accelerated Java Programming, Python for Bioinformatics, Software Design, Probability, Statistics

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

- Analyzed genetically modified bone tissues to discover a novel biomarker for osteoarthritis.
- 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, 2013-02 to 2014-06

Awarded Undergraduate Research in the Sciences at UCSC in 2014

- Independently researched cell senescence in mammary cell lines.
- Analyzed over a thousand tissue slides using fluorescence microscopy.

Awards/Publications

- **Undergraduate Research in the Sciences Award.** A grant to continue an independent research project in cell senescence of cancerous mammary cell-lines.
- **SLIT/ROBO2 signaling promotes mammary stem cell senescence by inhibiting Wnt signaling.** Hinck et al. (2014) Stem Cell Reports 3(3): 385-393.