

Portfolio

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

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

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

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- 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.

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

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

- Original design of game physics built on JavaScript's asynchronicity.
- Keydown event listeners 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 makes all Instagram API calls to 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, Git, Ruby on Rails, PostgreSQL, SQL, ReactJS, JavaScript, jQuery, HTML, CSS, RSpec, Data Structures, Java

Education

App Academy, Intensive Full Stack Web Development Program, < 5% acceptance rate
San Francisco, CA, 2015-10 to 2016-01

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

University of California, Santa Cruz, Bachelor of Science, Neuroscience, Class of 2014

Curriculum Highlights: Data Structures in Java, C, C++, Accelerated Java Programming, Python for Bioinformatics, Software Design, Probability, Statistics, Multivariable Calculus

Work Experience

Research Scholar for the SENS Research Foundation and CASMI

University of Oxford, United Kingdom, 2014-06 to 2014-08

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

- 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.