
Ginnie Hench

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PROGRAMMING SKILLS

Languages: JavaScript, Ruby, HTML/CSS, NodeJS, SQL, Python

Tools & Frameworks: RESTful API's; Rails with BCrypt, CSV library, Paperclip, CarrierWave, and PostgreSQL; Express with Validator, Passport, Express-Session, Cookie-Session, Mustache, MongoDB, Mongoose; Heroku, Git, GitHub

TECHNICAL EXPERIENCE

The Iron Yard

July - October, 2017

The Iron Yard is a 12-week coding boot camp that offers immersive, project-based training in front-end and back-end programming. Sufficiency using version control with Git and GitHub is a focus throughout the entire course.

Backend Developer for Tourify, a collaboratively built web app that serves two main user types: Tourist users get a mobile-responsive walking tour of downtown Durham; Tour Content Creators can register to use a dashboard that makes it easy to create, upload, and edit new tours with stops.

- The single Ruby on Rails web app serves an API with Tour and Stop information. Authenticated registration and login lets admin users access the Content Creator's Dashboard where views and actions are restricted based on the user's membership status within an organization.
- Register as a beta tester to see the Content Creators Dashboard at agile-mesa-66753.herokuapp.com

Tourist view: tourify.city

Code: github.com/Tourify/tourify_rr

Song Snippet Player - A mobile-responsive web app that lets users build a playlist from song clips retrieved from the iTunes API

- Song data is retrieved via a fetch request, received in JSON format and displayed using template literals written in vanilla JavaScript

Site: gingin77.github.io/iTunes_API/

Code: github.com/gingin77/iTunes_API

Memory Game - Players look for matching cards before time runs out

- The game is built using JavaScript and CSS, making heavy use of event listeners, DOM manipulation, and sequential class switches to animate graphics

Site: gingin77.github.io/memory-game/

Code: github.com/gingin77/memory-game

Word Game - Players are shown letter blanks and given 8 chances to guess a hidden word

- This NodeJS/Express app requires Mustache, Validator, Body Parser, and Cookie Session modules and is deployed on Heroku

Site: stormy-tundra-87482.herokuapp.com/

Code: github.com/gingin77/Word_game

PROFESSIONAL EXPERIENCE

Scientific Sales Representative, Cell Culture Products

STEMCELL Technologies

June, 2015 - July, 2017

- Managed a diverse cell culture product portfolio in a competitive life science market
- Provided specialized support to customers on novel products and workflows
- Used the SMART goal framework to set quarterly and annual goals; 100% of plan club member

Supervisor and Instructor for Undergraduate Chemistry Labs

UNC-Chapel Hill

2014 – 2015

- Managed a team of ~36 teaching assistants and 10 prep staff students in service of over 1,300 students enrolled in the beginner-level chemistry lab program
- Used course management tools and developed logic-based Excel templates to solve grading challenges

Director of the HHMI Future Scientists and Clinicians Program

UNC-Chapel Hill

2010 – 2014

- Collaborated with administrators, faculty, staff and program evaluators to design and implement program infrastructure, set project timelines and file annual reports
- Did publicity and event planning to recruit students, research faculty, postdocs and graduate students

HHMI-First Year Science Seminar Instructor

UNC-Chapel Hill

2012 – 2014

- Developed and taught a course called The Life Sciences & Biotechnology in a Globalized Era: Impacts & Perspectives

Post-Doctoral Researcher

Department of Biology, UNC-Chapel Hill

2010 – 2013

- Studied genetic mechanisms of meiosis, using computational genomics tools to compare, annotate, and map DNA sequences
- Used the following computational DNA sequence analysis tools and platforms: Integrative Genomics Viewer, BEDTools, Galaxy

Graduate Researcher

Department of Microbiology and Immunology, UNC-Chapel Hill

2003 – 2010

- Dissertation title: *Molecular Mechanisms of FOXP3-Mediated Gene Regulation and Their Contribution to T cell and Thymic Epithelial Cell Function*

SCIENTIFIC PUBLICATIONS

Hench, VK and Su, L. Regulation of IL-2 Gene Expression by Siva and FOXP3 in human T cells. *BMC Immunology* 2011, 12:54

Chavez, L., et al. Simultaneous sequencing of oxidized methylcytosines produced by TET/JBP proteins in *Coprinopsis cinerea*. *Proceedings of the National Academy of Sciences*, 2014, 111 (48)

EDUCATION AND HONORS

Ph.D. in Microbiology and Immunology, UNC- Chapel Hill

2010

Received high pass with honors on preliminary exam

B.S. in Cellular and Molecular Biology, Chemistry minor, UW – La Crosse

2003

Graduated with highest honors; Dean's list for three consecutive semesters

B.A. in Studio Art; core focus in Biology, Macalester College, St. Paul, MN

2001

Pursued projects in graphic design, printmaking, and painting

RECENT VOLUNTEER ACTIVITIES

Core Organizer for the Raleigh March for Science

January – May, 2017

Assistant Instructor for JavaScript for Beginner's, offered by Girl Develop It - RDU

October, 2017

Volunteer for All Things Open conference in Raleigh

October, 2017