EPHRAIM PEI
APPLICATION DEVELOPER

A former consultant with an affinity for technology who has turned a new leaf to become an application developer. Has extensive experience working with ERP and other business technologies. Seeking opportunities to work on the front-end or back-end of exciting web applications.

Contact

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Skills

LANGUAGES
- JavaScript
- Ruby
- Python
- SQL
- CSS3
- SASS
- HTML5
- Git

DATABASE
- SQL Server
- Postgresql
- SQLite
- MySQL
- MongoDB

TECHNOLOGIES
- Node
- React
- jQuery
- d3
- Ruby on Rails
- Flask
- AWS
- Heroku
- Express

Employment

Renaissance Albums — Portchester, NY
Contract Software Engineer — Feb 2016 to Current
- Tech: PHP, WordPress/WooCommerce, MySQL, CRON, Powershell, Labworks, MS SQL Server, JavaScript, Node
- Architected solution to automatically integrate Labworks ERP data with E-Commerce web store data
- Developed PHP Wordpress custom functions to create XML log files when user transacts with E-Commerce store
- Developed Windows Powershell scripts to FTP download/upload XML files to/from ERP and E-Commerce server
- Developed Node.js scripts using OOP to build highly modular and extensible ERP Data Extraction services
- Leveraged Windows Task Scheduler and CRON to enable job scheduling on ERP and E-Commerce servers

Ernst and Young — New York City
Senior IT Consultant — Jan 2013 to Sep 2015
- Served as a work stream lead for 2 large scale SAP ERP system implementations throughout full SDLC
- Managed workload and prioritization for teams of up to 5 developers of all kinds (AppDev, SQL, BI, etc.)
- Architected flat file interface programs to enable batch transaction processing between different business systems
- Coordinated end to end integration tests between business users, data, middleware, and application engineers

Accenture — Washington D.C.
Systems Integration Analyst — Nov 2009 to Dec 2012
- Architected 2 end-to-end supply chain planning solutions in SAP ERP
- Implemented 3 SOAP and 6 MILSTRAP XML transaction sets in SAP ERP
- Developed Microsoft based tools and automations in Visual Basic and SQL to facilitate project efforts

Personal Projects

Weather Forecast (JavaScript, Node, React, Bootstrap, d3)
A responsive, single page weather forecasting app displaying the five day forecast | Live | Github
- Autocomplete feature implemented with Google Place's Web Service API
- Bootstrap's grid system implemented to enable desktop, mobile, and tablet responsiveness
- Requests and processes OpenWeatherMap API's raw data functional programming
- Data from APIs leveraged to construct line graph visualizations with d3

Pomodoro To Do List (Python, Flask, JavaScript, React, MongoDB)
A to do list application with pomodoro productivity features | Live | Github
- Hand rolled user authentication and session management.
- RESTful API supports CRUD operations of to-do list items
- Slick UI is feature rich allowing users to customize the length of pomodoros timers and breaks

Nom noms (Ruby, Rails, JavaScript, React, PostgreSQL)
A social-themed location search platform inspired by Yelp | Live | Github
- RESTful JSON APIs render jBuilder views to serve data into the front end application
- Google Maps API integrated with search index to reveal a map with clickable markers
- AJAX requests create autocomplete lists and filter search results in real time
- Stores uploaded pictures in AWS S3 using Paperclip and Figaro

Sales Reporting Visualization (JavaScript, Node, d3)
Visualize basic sales data with an interactive tree layout | Live | Github
- Supports multi-tiered hierarchy structures including many to many relationships
- Filter options trigger DataStore methods to recalculate aggregate data values
- Mouseover/out event reveals tooltip with aggregated sales data from DataStore

Education

App Academy
Web Application Development 2015
Full-time program with emphasis on CS fundamentals, pair programming, and the latest technologies

Lehigh University
Bachelors of Science Industrial Engineering 2009
GPA 3.5 / 4.0

Volunteering

APEX for Youth · Tutor | Basketball Coach | Mentor — Sep 2015 to Current

Andrew **Park**

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EDUCATION

Brandeis University - *B.A. Computer Science and Economics*   **2011 - 2015**
Course Highlights: Programming in Java, Advanced Programming Techniques In Java, Data Structures and Fundamentals of Computing, Discrete Structures, Operating Systems, Principles of Computer System Design

App Academy   **2015 - 2016**
Intensive web development training program with < 3% acceptance rate
• Emphasizes pair programming, TDD, REST, OOP, and best practices

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PROJECTS

Pad *(Rails, React/Flux)* | live | github
A RESTful note-taking web application inspired by Evernote
• Secures authentication by hashing and salting passwords with BCrypt Ruby gem
• Integrates Quill.js library to render powerful text editor for text-formatting
• Binds AJAX requests to keyboard listeners for real time note editing
• Animates transitions using jQuery library for responsive user interaction

Ninja Pop *(Javascript, HTML5)* | live | github
Browser-based game inspired by BubbleTrouble
• Incorporates HTML5 canvas for dynamic and fluid animation
• Tracks key controls with jQuery event listeners for responsive gameplay

Datafy *(Ruby, SQL)* | github
A light ORM inspired by Active Record
• Creates Object Relational Mapping using core metaprogramming concepts in Ruby
• Modules and multiple levels of inheritance keep code DRY

SKILLS

Ruby	JavaScript	JQuery	React.js	Flux
Ruby on Rails	HTML/CSS	SQL	Java	Git

EXPERIENCE

Research Assistant - *Brandeis Comp. Sci./Linguistics Dept.*   **Spring 2015**
• Designed 10+ collision-detecting mesh models using Blender framework
• Cooperated in 15+ member team using Git to share and organize info.

Academy Teacher - *Quest-a-box*   **Spring 2015**
• Taught 10+ children fundamentals of math and science
• Formulated curriculum for students to effectively adopt critical thinking skills

Will McMeans

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Projects

Cookbook   Ruby on Rails, React, Flux   Live Github

An app for exploring and saving delicious recipes inspired by cooking.nytimes.com.

- Ensures database security by validating user authentication on the back-end.
- Implemented dynamic search by querying the database as user input changes.
- Produced a completely responsive design to optimize experience on all screen sizes.
- Added a scrollbar listener to dynamically update header content as the user scrolls.

Trails   Ruby   Live Github

A MVC web framework with ORM based on Ruby on Rails and Active Record.

- Engineered a custom web application framework with MVC architecture.
- Wrote an ORM system to store data in the database and convert to rich objects in Ruby.
- Built a flash system that stores messages on cookies to persist data between requests.
- Created CLI and published framework on RubyGems.org for public distribution.

Spots   Javascript, jQuery   Live Github

An addictive connect-the-dot browser game inspired by Dots.

- Created jQuery and CSS hoverstates to respond to user interaction.
- Calculates node entry/exit points using custom algorithms to respond to user input.
- Tracks game state and visual representation separately to avoid conflicts and bugs.

Skills

Ruby	Rails	Flux	HTML	SQL
JavaScript	React	jQuery	CSS	Git

Education

App Academy 2015-2016

Intensive full-stack web development course (3% acceptance rate).

University of Texas at Austin 2011–2013

B.A. Rhetoric and Writing / French

- Graduated Magna Cum Laude (3.89 GPA).
- Phi Beta Kappa and Phi Kappa Phi honor societies.

Experience

Faircom NY 2015

Junior Social Media Strategist

- Composed thousands of social media posts to engage clients' supporters.

Nylon Consulting 2014-2015

PR Assistant

- Secured coverage for clients in publications including Architectural Digest and Vogue.

John Lim

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PROJECTS

Polylit (Rails, React, Flux)   live | github
Rich single page web app that emulates the UX of Medium.com
● Communicates with a RESTful JSON Rails API.
● Achieves fully mobile responsive design via CSS3 media-queries.
● Saves and optimizes images to the cloud, distributed via a CDN.
● Caches non-critical data on the front-end to reduce SQL queries to the server.

Hexscape (JavaScript, HTML5)   live | github
Addictive physics puzzle game built in HTML5 Canvas and Phaser
● Interacts with a fully realized physics engine and sprite rendering API.
● Maps object coordinates in JSON for non box-shaped collision detection.

Mu (Ruby, Rack, SQL)   github
Lightweight MVC framework with a built-in ORM for making web-apps
● Serves static assets and filters 40X/500 errors through extensible middleware.
● CSRF protection and cookie storage for session-based browsing.

SKILLS

● Ruby, Rails, JavaScript, ES6, React, Flux, Redux, Git, AWS, Redis, jQuery, SQL, HTML, CSS

EDUCATION

App Academy - New York, NY   Nov 2015 - Feb 2016
● Full stack web development course with <3% acceptance rate.
● Emphasis on CS fundamentals, code style, and agile methodologies.

Relevant Online Coursework
Introduction to Computer Science (Harvard edX), Algorithms Part I (Princeton coursera)

Brown University - Providence, RI   Sep 2008 - May 2012
B.A. in Literary Arts; GPA: 3.6

EXPERIENCE

Barista - Sweetleaf LIC, Gregorys Coffee - New York, NY   Jul 2013 - Nov 2015
● Shipped hundreds of products a day to customers in a timely fashion.

Executive Intern - JYP Entertainment - New York, NY   Sep 2012 - Dec 2012
● Performed marketing, administrative, & talent management duties as an assistant for a
  high-profile international entertainment group.

PORTFOLIO http://johnlim.me • **GITHUB** https://github.com/jolim24601/
LINKEDIN http://www.linkedin.com/in/jlim5

Peter **Lemiszki**

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Projects

<u>Earthbnb</u> – *Rails, React.js, PostgreSQL* • **live** | **github**
A RESTful, single-page app with Flux architecture and a JSON API.

- Integrates Google Maps API for geolocation based searching.
- Incorporates BCrypt and Google OmniAuth for user authentication.
- Stores image uploads in the cloud using AWS, allowing app to scale.
- Utilizes WebSocket protocol for real time updates to a host's list of reservations.

<u>Socket Bot</u> – *JavaScript (ES2015), Canvas* • **live** | **github**
A platform browser game built with HTML Canvas using Object-Oriented Design.

- Uses HTML5 Canvas for pixel control, creating a detailed gameplay environment.
- Leverages object-oriented design, using inheritance to achieve DRY code.
- Transpiled into ES5 with Babel and Webpack for maximum browser support.

<u>jExamine</u> – *JavaScript* • **github**
A small library for easy DOM manipulation, event handling, and AJAX requests.

- Abstracts native DOM API into JS objects for optimal ease of use.

Skills

Ruby	JavaScript	React.js	SQL	HTML
Rails	jQuery	Flux	Git	CSS

Experience Manager of Operations – *Film Movement*   **2010 – 2016**

- Designed and built custom business management app using Visual Basic, tripling efficiency of daily operations.
- Used PHP to push data from app to company website's SQL database.

Education App Academy   **April – July 2016**

- 1000-hour full stack web development bootcamp with < 3% acceptance rate.
- Selected as a top student in cohort to work as a TA for incoming students.

New York University   **2002 – 2006**

- BFA in Film & Television from Tisch School of the Arts.

TODD KRANENBURG

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EDUCATION

Princeton University

2011-2015 · BSE in Civil Engineering

Curriculum Highlights:
- *Introduction to Programming in Java*
- *Algorithms and Data Structures*
- *Introduction to Programming Systems*
- *Advanced Programming Techniques*

Relevant Coursework:
- *Heap Manager Module*: Built dynamic memory management program in C with circular linked-list
- *Unix Shell*: Developed an interactive Unix shell, including DFA lexical and syntactic analysis of shell commands in C

Senior Thesis:
- *Understanding Community Resilience: A Human and Physical Framework*
- Awarded final grade of A+

App Academy · New York, NY

November 2015-February 2016

- Full stack web development course with an emphasis on TDD and pair programming
- Acceptance rate < 3%

SKILLS

- **JavaScript**
- **Ruby**
- **JQuery**
- **Git**
- **C**
- **React**
- **Ruby on Rails**
- **SQL**
- **HTML/CSS**
- **Java**

EXPERIENCE

Leader · Overland Summers

Williamstown, MA — 2013-2015

- Led 6 bicycle trips for over 50 high school students with a co-leader, including a 3,000-mile trip from coast-to-coast in 2015
- Facilitated experiential learning as students mastered bike-maintenance and camping skills

RECENT PROJECTS

Kelp

live site · github

Business review app inspired by Yelp with a React frontend and RESTful, Ruby on Rails backend.

- Employs Google Places API to retrieve unique business place-IDs, allowing friendly interaction between the database and Google's API
- Renders view layer with React to create a single page view that makes for smooth and quick navigation within the app

Tetris

live site · github

Tile matching video-game built for a web browser

- Animates falling blocks with JavaScript, React, and two HTML5 Canvas elements
- Displays custom explosion graphics with animation frames and time-interval logic

HyperactiveRecord

github

Rebuilt basic ActiveRecord functions in Ruby

- Provides getter, setter, and validation methods for models linked to database columns
- Defines chainable selector methods, producing highly efficient SQL queries
- Associates SQL tables appropriately with interdependent model relationships

📁
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Aarushi **Jain**

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Portfolio

Clonebook *(Rails, React, Flux)* **|** Live • GitHub

Platform for social networking, built with Ruby on Rails and React

- o Updates React components in real time via AJAX requests
- o Allows secure authentication using Omniauth for Facebook login and BCrypt
- o Implements unidirectional data flow through Flux architecture for reliable DOM rendering
- o Uploads user generated images to the cloud using AWS S3 and Paperclip

Frogger *(JavaScript, HTML5)* **|** Live • GitHub

Classic Arcade Browser Game

- o Increases difficulty dynamically by increasing speed through incrementing the velocity of moving objects
- o Draws graphics on HTML5 canvas element for smooth rendering

ActiveRecordLite *(Ruby)* **|** GitHub

ORM inspired by the ActiveRecord pattern

- o Uses metaprogramming to imbue Ruby classes and methods that translate queries to SQL
- o Provides object-relational mapping with support for single and multiple step associations

Skills

Ruby	JavaScript	React	Flux	jQuery	HTML
Rails	Git	SQL	CSS	RSpec	SPSS

Experience

Chameleon Communications International: New York, NY   2015

Associate Project Manager

- o Produced quarterly financial reports for TEVA pharmaceuticals for ongoing projects
- o Managed weekly budget/resource allocation for five projects to monitor risks for senior management

Zotos International, Inc: Darien, CT   2014

Research Intern

- o Drafted three technical reports, collaborated on weekly testing procedures and claims research
- o Created a new claims testing protocol for two new styling products

University of Connecticut-Bhat Kinesiology Lab: Storrs, CT   2012 - 2013

Undergraduate Researcher

- o Evaluated fifteen sessions per week to assess robotic interventions for children with autism

Education

App Academy: New York, NY

Graduate   2015 - 2016

- o Immersive 1000-hour full-stack web development course with a 3% acceptance rate
- o Strong emphasis on code quality, TDD, pair programming, and design patterns

University of Connecticut: Storrs, CT

Bachelor of Science, Biological Sciences, Honors Program   2011 - 2014

- o **GPA 3.5/4.0**

Bilal Itani

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Projects

aZana | *Full Stack Engineer* (2016)   **Live • GitHub**

A project management site where teams can keep track of tasks to complete a project.

- ❏ Developed entire website application inspired by Asana using Rails, JavaScript, React and the Flux cycle, including user authentication and a single page workflow.
- ❏ Leveraged the Facebook Flux cycle with React to allow users to create teams, projects within teams, and tasks within projects to track the progress of said project, and dynamically edit the DOM using API calls to the SQL database.

jQuery Lite | *JavaScript Developer* (2016)   **GitHub**

A custom version of jQuery that performs most core features of jQuery.

- ❏ Developed framework with a partner that allows users to make AJAX calls using HTTP requests to access a database, and loaded HTML elements as collections to allow appending and other modifications to the DOM in real time using plain JavaScript.

Invoke | *Solo Developer* (2015)   **Demo • GitHub**

Video game using gesture recognition and other advanced programming techniques.

- ❏ Built entire game including code, textures in Photoshop CC, 3D modeling and animation in blender, procedural generation of maps, pathfinding for all characters, AI for enemies and gesture recognition for touchscreens and mouse movements.
- ❏ Recognized gestures as user input using a point cloud matching algorithm for touchscreens and mouse axes to allow players to draw and cast spells.

Skills

Ruby	Javascript	Node.js	Unity3D	HTML	Git
Ruby on Rails	React	Flux	SQL	CSS	RSpec

Experience

Rebound (reboundgame.com)   **2015 - 2016**
Solo Developer   Kalamazoo, MI

- ❏ Developed and sold a video game for the Windows, Mac, Linux, and Android platforms on The Google Play Store, and The Humble Store over 8 months.
- ❏ Created 2D sprites and various graphics in Photoshop CC, and developed GUI features.
- ❏ Designed and published the entire website for Rebound using WordPress, and designed any required graphics using Adobe Photoshop CC.

BroadLeaf Outdoor (broadleafoutdoor.com)   **2015**
Web Developer   Kalamazoo, MI

- ❏ Developed a website including a hosting account, customer accounts, e-commerce products, and website management accounts for startup company BroadLeaf Outdoor using WordPress, Woo Commerce, and Photoshop CC.

Education

App Academy   **May 2016-August 2016**
1000-hour full-stack programming bootcamp with <5% acceptance rate   San Francisco

Western Michigan University – CS Major   **2014 - 2016**
Left college in good academic standing to pursue a Web Development career   Kalamazoo, MI

◇ http://www.beelol.com/   www.github.com/beelol   www.linkedin.com/in/bilalitani1

NED HE

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              Queens, N.Y. 11368
Website: www.edwardhe.com

PROJECTS

BrainSTAX (Rails, React.js/Flux, PostgreSQL)   Live GitHub
A flashcard study app integrating a custom-built spaced-repetition algorithm.
• DRYs code with concise views, partials, and mixins.
• Implements modified Leitner SRS algorithm to dynamically re-sequence cards.
• Optimizes runtime queries to reduce load time.

Coffee Snake (JavaScript, jQuery, CSS)   Live GitHub
A browser-based classic Snake game with a 21st century twist.
• Maximizes principles of DRY object-oriented design.
• Built upon own DOM Manipulation library called Orb.

Orb (Ruby, SQL)   GitHub
A Ruby ORM inspired by ActiveRecord of Ruby on Rails.
• Leverages Ruby's extensive metaprogramming and SQL to simplify database queries.
• Infers table names by default when making associations between classes.

SKILLS

**Ruby   Rails   JavaScript   jQuery   React.js   AJAX
Flux   SQL   Git   HTML5   CSS   RSpec   TDD   AWS**

EXPERIENCE

Volunteer

ELMHURST HOSPITAL CENTER | QUEENS, NY   2010 - 2011
BIO-MEDICAL ENGINEERING DEPARTMENT.   2012 - 2013
• Repaired hundreds of hospital equipment and medical devices.
• Managed hospital equipment database to facilitate tracking and organization
  of hospital equipment.

Research-
Assistant

DEPARTMENT OF CHEMISTRY, CSI | STATEN ISLAND, NY   2013 - 2015
• Co-authored 2 peer-reviewed journal articles in renowned chemistry journals.
• Optimized antimicrobial activity of polymers against E. coli and S. Aureus.

Tutor

MACAULAY HONORS COLLEGE, CSI | STATEN ISLAND, NY   2012 - 2013
• Tutored Calculus, Organic Chem., Physics & Chinese to dozens of students.

PUBLICATIONS

• **Effect of Relative Arrangement of Cationic and Lipophilic Moieties on Hemolytic**   2015
  and Antibacterial Activities of PEGylated Polyacrylates.
  International Journal of Molecular Sciences. *Punia A., He E., Lee K., & Yang N.L.*

• **Cationic amphiphilic non-hemolytic polyacrylates with superior antibacterial**   2014
  activity.
  Chemical Communications. *Punia A., He E., Lee K., Banerjee P. ,& Yang N.L.*

EDUCATION

APP ACADEMY | NEW YORK, NY   2015
• Rigorous full-stack software engineering curriculum with < 3% acceptance rate.
• Emphasis algorithms, TDD, pair-programming, and efficient design.

THE MACAULAY HONORS COLLEGE | NEW YORK, NY   2011 - 2015
• Bachelors of Science [B.S.] in Chemistry & Biochemistry | Minor: Chinese   2015

• *Course Highlights*: Calculus (I, II, & III), Analytical Chemistry, Thermodynamics,
Polymer Engineering, Quantum Mechanics, Probability & Statistics,

• *GPA*: 3.87

Awards

Department of Bio-Chemistry Distinguished Student Award recipient   2015
Department of Chemistry Distinguished Student Award recipient   2013
STEAM Scholarship recepient   2013

Samuel Greenlee

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Projects

Checkhov *(Rails, PostgreSQL, JavaScript, React/Flux)* — live • source

A full-stack, single-page project management application. Frontend written in JavaScript, React and Flux and consumes a RESTful API written in Rails.

- Custom-built React widgets provide a rich, seamless user experience
- Utilizes Optimistic rendering to respond instantaneously to user input
- Stores data on the cloud with AWS S3 for increased performance and scalability
- Supports Oauth2 authentication through Google for a low friction sign-up process
- Flux architecture improves simplicity and maintainability of the project

Bach Star *(Javascript, HTML5, CSS3, Python)* — live • source

Guitar-hero style keyboard game with a Baroque theme built in Javascript, jQuery, HTML5 and CSS

- CSS3 transforms to create aesthetically pleasing 3D graphics
- Custom midi-parsing script written in Python generates gameplay from actual music
- Uses Web Audio Api to accurately time game events with music

Bartleby *(Ruby)* — source

A lightweight object-relational mapping in Ruby. Reproduces much of the core functionality of ActiveRecord with a fraction of the overhead.

- Leverages Ruby metaprogramming techniques to reduce boilerplate code
- Programmatically builds model classes from database tables
- Built-in associations automate complex SQL queries
- Distributed through rubygems.org

Skills

JavaScript • React.js • Ruby • Rails • Flux • jQuery • Python
C • HTML5 • CSS3 • SQL • Git/Github • TDD • Bash

Education

App Academy — *April - June 2016*

- Web development course teaching Rails and React.js with a 3% acceptance rate.

CUNY Hunter College —M.A. in Applied Math and Statistics, GPA: 4.0 — *June 2015*

- Capstone project: implemented and conducted an empirical assessment of the Large margin Distribution Machine in R and C

New York University —B.A. in Mathematics, GPA: 3.66 — *May 2012*

- Member of the Gallatin Scholars honors society

Experience

Metro Academic Prep — Math and Statistics Tutor — *June 2011 - April 2016*

- Improved academic performance and/or standardized test scores for all of my students
- Developed curricula for AP Calculus independent study and exam prep
- Worked individually with 4-6 students per semester

VADIM FAINBERG

WEB DEVELOPER

CONTACT

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LINKS

LinkedIn

GitHub

Portfolio

SKILLS

RUBY

RAILS

JAVASCRIPT

REACT.JS

FLUX

HTML

SQL

CSS

GIT

RSPEC

JQUERY

PROJECTS

Seance | Full Stack   Live | GitHub

A web blogger inspired by Medium. Built on Ruby on Rails and React using Flux.

· Replaces traditional rich text editing with the medium-editor library, improving UI
· Securely encrypts password digests with front and backend validation for accounts
· Mobile responsive for browser and mobile devices using CSS media queries
· Optimizes page load by resizing images via paperclip, images stored on AWS S3.

Nara | Front End   Live | GitHub

Browser game inspired by Ikagura. Uses JS, CSS, HTML and the HTML Canvas API.

· Written using the ES6 language specification and babel to transpile code into ES5
· Loads multiple canvas elements, improving runtime by delegating animation
· Stores enemy objects in a hash to prevent animation flickering

domAble & Zynth | Code Intensive   Live | GitHub

Browser game inspired by Ikagura. Uses JS, CSS, HTML and the HTML Canvas API.

· Library provides and simplifies DOM element methods such as .add, .remove, .child
· Allows for the setting and removal of multiple event listeners with event delegation
· Zynth uses domAble and the Web Audio API to create a responsive

WORK EXPERIENCE

Senior Network Operations Associate   2013-2016

Success Academy Charter Schools   New York, NY

· Guided development and maintenance of the facilities ticketing website
      - Created wireframes, improved UI and collaborated new features
· Coordinated tech installation across 32 sites for 100+ interactive panels and WAPs
      - 100% installed on schedule in 3-weeks, totalling over $1.5 million
· Oversaw renovations for 14 elementary and 1 middle school over 2 years:
      - Created RFIs, scopes of work, room allocations, leasehold budgets
· Managed $5+ million of summer renovations and upgrades
      - 100% completed on time, with an average savings of $20,000 per site
· Coordinated three multi-million dollar playground renovations alongside the
School Construction Authority, Department of Education and Gordian Group
· Developed emergency protocols and standard operating procedures for the team

EDUCATION

Grinnell College   2009-2013

B.A. Studio Art with Honors, Neuroscience Concentration, 3.61 GPA

App Academy   2016

Full Stack Web Development Course with a 3% acceptance rate

Henry Dotson

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Projects

Pagevault.io
A full stack web application for online note-taking with rich text formatting and embedded images (using AWS S3 storage), and includes end-to-end client side encryption using the Stanford Javascript Crypto Library

STACK: Rails, React.js, PostgreSQL, AWS, SJCL, HTML, CSS, Git

Scribbleships
A pure Javascript game similar to the classic game Asteroids. I plan to build on this to make a multiplayer game in the spirit of Agar.io

STACK: JavaScript, HTML, CSS, Git

Mapport
A web app that leverages in-line SVG to deliver contextual inspection data to clients

STACK: Ruby, Ruby on Rails, PostgreSQL, AWS, HTML, CSS, Git

Water Portal
My Master's thesis project - a web application interface for accessing and analyzing government groundwater monitoring data

STACK: Rails, React, D3.js, PostgreSQL, AWS, HTML, CSS, Git

Experience

Database Engineer / IT Consultant
Tristate Biodiesel, LLC, Bronx, NY   Jun. 2011 - Present

Developed features and maintained internal database with MS Access/VBA frontend and MySQL + postgreSQL backend server running on Linux (CentOS)

Provided IT support for office staff in a Windows Domain, onsite and remotely

Software Developer / Investigator
New York Environmental, Inc., Port Washington, NY   Jun. 2014 - Aug. 2015

Architected and wrote Rails application to display data about interior spaces in customer facilities via links embedded within an SVG floorplan generated from AutoCAD drawings

Performed maintenance and upgrades on laboratory MS Access legacy database

Prepared CAD drawings detailing asbestos to be abated

Data Analyst / Environmental Investigator
Microecologies, Inc., New York, NY   Oct. 2013 - Jun. 2014

Developed sampling plans, performed air/water sampling using proprietary equipment, and conducted data analysis to draft environmental inspection reports for clients

Data Engineering Intern
NYC Dept. of Environmental Protection, Jamaica, NY   Jun. 2012 - Aug. 2012

Created a database application using ArcGIS and VBA for entering and managing inspection data of Bluebelt properties

Generated data trees for import into the Avantis software system

Implemented updates to GIS maps features related to Bluebelt assets

Operations & IT Manager / Database Engineer
Tristate Biodiesel, LLC, Bronx, NY   Aug. 2007 – Jun. 2011

Developed internal database with MS Access/VBA frontend and MySQL backend server running on Linux (CentOS) to manage customers and general operations as client base increased by 500% within 2 years

Designed and implemented specialized features including: service call scheduling, truck routing with RoadNet technology, and collections tracking

Built billing & inventory system to extract data from fuel inventory management software Generated reports and analyzed data for strategic decision-making

Technical Skills

Ruby / Ruby on Rails
JavaScript
HTML/CSS
React.js
D3.js
Flux
AWS
Heroku
SQL / MySQL / PostgreSQL
Linux / Red Hat Linux
Windows Server 2008/2012
Active Directory
Windows Domain administration
Linux server administration
ArcGIS
AutoCAD
MS Access / VBA
Adobe Creative Suite CS6

Education

App Academy
Full Stack Development
(Completion: Dec 2015)
Studied object oriented programming in Ruby and modern full stack web development skills in: Rails, React, JavaScript, Node.js, HTML, CSS, Flux

Pace University
M.S. Environmental Science
(Completion: 2016)
Groundwater Monitoring Data Visualization project using D3.js, ArcGIS mapping software, and SQL to develop an intuitive interface for parsing, manipulating and displaying U.S. Geological Survey data.

Hampshire College
B.A. Social Psychology 2006

Stuyvesant High School
Graduated 2002

Languages

English
Proficient / native speaker

Spanish
Conversationally fluent

Veronica Chau

Recent Projects

Lead Full Stack Developer [Rails, React.js]   **EventRight** | *Live* • *GitHub*
A single page ticketing application with a crowdfunding flair
- ❏ Utilized Flux architecture's unidirectional data flow to maintain structural coherence.
- ❏ Componentized front-end-views with React to fulfill the Single Responsibility Principle resulting in component modularity.
- ❏ Implemented custom validation logic on the model level to prevent invalid pricing details and enforce realistic campaign dates.
- ❏ Utilized ActiveRecord Calculations and Relations modules in queries to eliminate storage of unnecessary tables and columns in the database.

Front End Engineer [JavaScript]   **Legendary Bird** | *Live* • *GitHub*
A projectile-shooting game featuring legendary Pokemons
- ❏ Designed for smooth UX by implementing event handlers to provide intuitive controls such as arrow buttons and space bar for launching the Pokeball.
- ❏ Integrated BoxBox Physics engine to mimic real world projectile allow the user to change the impulse power and angle on the Pokeball with gravity causing negative acceleration.

Contributing Full Stack Developer [Rails, React.js]   **Slamk** | *Live* • *GitHub*
A real-time-messaging application with code-snippets and favorited messages capabilities
- ❏ Implemented "Favorites" feature by building React components to allow for the addition and removal of favorited messages by manipulating message state.
- ❏ Designed icons and side panel to dynamically render content based on the current user session and each message's "Favorites" status.

Skills

Ruby	JavaScript	Node.js	jQuery	HTML	Git
Ruby on Rails	React.js	Flux	SQL	CSS	RSpec

Work History

Schlumberger   **July 2012 - November 2015**
Operations and Performance Engineer - Oil & Gas   Houston, TX
- ❏ Performed data quality checks and validation for conformance to government standards, reducing discrepancies in data delivered to agencies by 50%.
- ❏ Decreased project delivery time by 65% after 4 months of continuous improvement by mentoring and coaching field engineers to eliminate operator error due to learning gaps.
- ❏ Received the Vice President Service Quality Awards while serving as one of two pilot engineers for the Occidental Petroleum Remote Operations and Performance Team.

Education

App Academy   **May 2016 - July 2016**
1000-hrs Full Stack Web Development Course with < 3% acceptance rate   San Francisco, CA

University of California, San Diego   **August 2008 - June 2012**
Bachelor of Science in Chemical Engineering   La Jolla, CA

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www.github.com/veechau

www.linkedin.com/in/veronica-chau

Patricia M. Brent

SOFTWARE DEVELOPER
NEW YORK, NY

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RECENT PROJECTS:

Ready: Social Book Recommendation App @GitHub (JavaScript, Rails, PostgreSQL, React.js)
- Combines ActiveRecord with PostgreSQL to personalize recommendations based on user ratings and provide an up-to-date feed of recent activities using custom SQL queries
- Manages user authorization with BCrypt, including secured routing with Rails controller checks
- Leverages React lifecycle methods, Flux architecture to provide information on demand without load time

Railing: MVC Server Framework @ GitHub (Ruby, WEBrick)
- Routes requests and renders data based on params, including nested arrays
- Dynamically defines and calls methods to facilitate controller-router communication

Minefinder: Browser Game @GitHub (JavaScript, React.js, CSS/HTML)
- Synthesizes React components with JS OOP design patterns to dynamically render on user interaction

Untitled: Quincunx Productions (Java, Unity3D)
- Contributed code, story decisions, puzzle designs to collaborative game-making project

SKILLS:

Proficient: JavaScript, Ruby, Ruby on Rails, React, jQuery, SQL, PostgreSQL, Git, HTML, CSS
Prior Experience: Java, MongoDB, Maven, Python, R, SPSS, Linux/Unix, LaTeX
Languages: English (fluent), Spanish (proficient)

EDUCATION/CERTIFICATIONS:

App Academy, New York, NY   Dec. 2015
Intensive 3-month full-stack web developer training, focused on current design patterns and tech

Teachers College, Columbia University, New York, NY   May 2011
Master of Arts in Mathematics Education with NYS Certification, GPA: 4.0
Math for America Fellow, 2010 – 2015 *(Selective math fellowship with five-year commitment)*

The University of Chicago, Chicago, IL   June 2010
Bachelor of Arts in Mathematics with honors; Bachelor of Arts in Psychology, GPA: 3.7

RELEVANT COURSEWORK:

MongoDB J101 for Java Developers ○ Statistical Models and Methods (STAT 23400) ○ Computer Science w/ Applications (CMSC 12100) ○ Mathematical Logic (CMSC 27700) ○ Topics in Discrete Mathematics (MSTM 5036)

EMPLOYMENT:

Bronx Early College Academy, Bronx, NY   2012 – 2015
International Baccalaureate Diploma Programme Coordinator, *Tenured Mathematics Teacher*
- Managed school-wide, international accreditation program, led weekly training for 15-40
- Awarded tenure immediately upon eligibility for exceptional work (Algebra 2 - Calculus)

DreamYard Preparatory High School, Bronx, NY   2011 – 2012
Teacher (Integrated Algebra), Advisor
- Created extracurricular program to support 70% of students in recovering algebra credits

Oak Ridge National Laboratory, Oak Ridge, TN   2005 – 2007
Research Assistant, Department of Computer Science and Mathematics, 2005 – 2007
- Designed, coded, and presented various Natural Language Processing tasks using Java in a distributed Linux environment as part of Siemens national scholarship winning team

linkedin.com/in/patriciambrent ○ github.com/pmbrent ○ codeeval.com/profile/pbrent/

MATTHEW ALLEN
SOFTWARE ENGINEER

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Linkedin: https://www.linkedin.com/in/mallen1080
GitHub: https://www.github.com/mallen1080

PROJECTS

BrownBananas (Ruby on Rails, React.js):   **LIVE | GitHub**
A single-page movie review web application inspired by RottenTomatoes
- Responsive design optimizes user experience for narrow browsers, tablets, and mobile devices
- Ensures maximum database security by implementing 4 separate checks (3 on front-end, 1 on back-end) so that only an admin user can add, delete, and make changes to stored movies
- Customized multi-table query methods provide efficient data retrieval, leading to an easily scalable product
- Allows users to dynamically view all reviews for each movie while maintaining a slim show page using React-Paginate and Ruby's Kaminari

MusicTiger (Node.js/Express.js, React.js):   **LIVE | GitHub**
Music video themed website rendering the most recently released and popular videos
- Uses Google/YouTube's iFrame and Data API to fetch and render YouTube videos
- Responsive design optimizes user experience for narrow browsers, tablets, and mobile devices

Langton's Ant (Javascript, HTML, Canvas):   **LIVE | GitHub**
Interactive visualization of Langton's Ant, turing machine with a very simple set of rules that produce complex results
- Customized algorithm for remapping slide-bar input into appropriate visual representations
- Improves upon original concept by allowing for multiple ants and a multi-color option

Automated Stair-Climbing Wheelchair (San Jose State Mechanical Engineering Department)   **Images**
An automated stair-climbing wheelchair designed and manufactured for supporting a 200-lb individual up/down a set of stairs
Programming Lead, Mechatronics Lead, and CAD Designer (August 2012 – May 2013)
- Successfully built a prototype that climbed a set of 8 steps
- Led efforts for all mathematical analyses and all mechatronic aspects, including motor sizing, motor selection, power control, programming (in Arduino), circuitry, battery selection, and power interfacing
- Fundraised over $1,000, which included delivering a funding request presentation to ASME

KEY SKILLS AND KNOWLEDGE AREAS

- Programming technologies: **Ruby, Rails, Javascript, React,js, FLUX, Node.js, jQuery, SQL, HTML, CSS, Git, AWS**
- Excellent mathematical abilities: (770/800 on SAT and SAT II), 5/5 on all AP Calc tests

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EDUCATION

App Academy (April 2016) – New York, NY
- Rigorous 1000-hour web development bootcamp with <3% acceptance rate
- Teaches full-stack development in Rails, SQL, JS, React, TDD, and algorithms with best coding practices

San Jose State University (December 2013) – San Jose, CA
- Bachelor of Science in Mechanical Engineering; concentration in Design

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WORK HISTORY

Restoration Robotics – San Jose, CA
RR is the manufacturer of the groundbreaking ARTAS hair restoration robot, the only robotic hair restoration system on the market.
Sustaining Engineer (May 2015 – October 2015)
- Lead projects that resolve product technical issues and improve manufacturability
- Improved manufacturing documentation by translating 200+ 2D AutoCAD sketches into 3D models in Solidworks
- Wrote root cause analysis reports, test protocols, and test reports to verify and validate new designs and design changes
- Designed and built test fixtures utilizing a 3D printer, lathe, and mill, to ensure product reliability before production release

Varian Medical Systems – Palo Alto, CA
Manufacturing Engineering Intern (August 2013 – June 2014)
- Performed product-development for medical system technologies, including X-ray and oncology devices.
- Integral part of team that earned VMS's Truebeam its CE mark, allowing it to be sold throughout Europe
- Collaborated daily with manufacturing engineering team on RoHS Initiative project, which involved ensuring all Varian-used parts do not contain Lead, Mercury, Cadmium, or Hexavalent Chromium in them. Analyzed and addressed compliance for over 50,000 parts