Brandon Choi | Software Engineer

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 Portfolio | LinkedIn | GitHub

SKILLS

Languages:	JavaScript (ES5/ES6), Ruby, SQL, HTML5, CSS3
Frameworks/Libraries:	React, Redux, jQuery, Node, Express/Mongoose, Ruby on Rails/Active Record
Databases:	RDBMS – PostgreSQL, NoSqL – MongoDB
Tools/Testing:	Amazon Web Services (AWS) S3, Git, GitHub, RESTful APIs, Webpack, Postman, Jasmine, Jest, RSpec

PROJECTS

NexUs / Fullstack Engineer (**React, Redux, HTML/CSS, Ruby on Rails, PostgreSQL**)   Live | GitHub
A professional networking, social media application inspired by LinkedIn
- Successfully delivered a fully functional, full-stack web application within a 2-week sprint, with a robust user authentication system, utilizing bcrypt for secure password hashing, ensuring the highest level of data security and user privacy
- Incorporated AWS S3 to manage file upload/retrieval, significantly improving page-load performance and product scalability
- Implemented infinite scroll/lazy loading functionality for posts on the feed page, streamlining content delivery
- Engineered a dynamic search bar with live autocomplete, enhancing user profile search capabilities

itinerator / Team Lead Engineer (**React, Redux, HTML/CSS, Express/Mongoose, Node, MongoDB**)   Live | GitHub
A custom travel itinerary planner and social media application built with the MERN stack, offering a generative travel experience
- Led a team of 3 engineers through a 4-Day sprint, serving as the primary point of contact with the project manager, successfully managing Git-based codebase integrity to prevent unnecessary merge conflicts
- Integrated and customized the functionality of three APIs – Google Maps JavaScript API (Places API, Geocoding API), and HTML5 Geolocation API – to implement advanced, real-time location-based features into the product's core user interface
- Facilitated communication between frontend and backend, ensuring a shared product vision, resulting in a cohesive UX

myFitnessBuddy / Frontend Engineer (**JavaScript, HTML, CSS**)   Live | GitHub
A Vanilla JavaScript workout generator/visualizer
- Built an algorithm-powered dynamic navigation carousel that updates when users add, remove, or view exercises
- Developed a body map utilizing CSS Grid, allowing users to interact with both anterior and posterior muscular regions
- Implemented an asynchronous exercise selection and display system, dynamically fetching exercise details and GIFs

WORK EXPERIENCE

New York Therapy & Wellness (NYTW) / Physical Therapist   Jan – Sep 2022
- Developed a Ruby script to automate the creation of personalized home exercise programs for patients, considering their impairments, functional levels, and goals, streamlining healthcare operations
- Spearheaded the establishment of a new, collaborative venture with renowned senior living facility Aterot Avot, assuming a crucial role as the exclusive Physical Therapist and ambassador overseeing the plan of care of 10-15 residents concurrently
- Managed a caseload of 25+ clients across South Brooklyn, ensuring seamless communication among various stakeholders, including family members, hospitals, insurance providers, and physicians to maximize client and stakeholder satisfaction

EDUCATION

App Academy, NY – Fullstack Software Engineering   Mar – June 2023
- 1200+ hour intensive, in-person software development program with a focus on fullstack web development, computer science fundamentals, object oriented programming, data structures & algorithms, and paired programming
- < 3% acceptance rate; 15-20% attrition rate

Emory University, GA – Doctor of Physical Therapy (D.P.T.) / **GPA: 4.0** *summa cum laude*   Sep 2016 – May 2019
- Published a research paper about the utility of data-driven algorithms in personalizing interventions for post-stroke patients

Boston College, MA – Bachelor of Arts in Psychology (B.A.) / **GPA: 3.8** *magna cum laude*   Sep 2011 - May 2015