Samuel Jo

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Projects

Netclips | *Rails, PostgreSQL, React, Javascript, Redux*   Live | GitHub
Single-page video streaming application with a Netflix-inspired UX created in 9 days.
● Utilized AJAX, an ORM system (ActiveRecord) & jBuilder to prefetch data and send JSON structures to the client to limit any redundant queries to the database.
● Devised a method to keep track of self-designed, responsive carousel rows using React components' state and Redux's store to position a row item's show page in the DOM.

Snake with joQuery | *JavaScript, HTML*   Demo | GitHub
DOM manipulation library (joQuery) demonstrated with the classic game, Snake.
● Created a lightweight library to manage core DOM manipulation functionality, making AJAX requests and event handling with native DOM API.

Mini-lennium Falcon | *JavaScript, HTML5, joQuery*   Live | GitHub
Addictive browser game inspired by Jetman and the Millennium Falcon.
● Developed and designed a JavaScript based browser game using HTML5 canvas and own library, joQuery, for animation and DOM manipulation.

Skills

● Ruby   ● JavaScript   ● React   ● Rails   ● jQuery   ● Redux   ● SQL   ● HTML   ● TDD   ● CSS   ● Git

Experience

Process Engineer, GLOBALFOUNDRIES & IBM – Essex Junction, VT   2015
Utilized lean manufacturing and problem-solving to develop and optimize processes.
● Owned qualification project to replace an obsolete tool and improve quality, delivery, and cost by 15%.
● Developed qualification plan to replace tool part and reduce costs by over $135,000/year while improving quality and delivery.
● Created dashboard of over 200 SPC charts for 32 toolsets to improve quality and decrease waste.

Education

App Academy, Web Development – New York, NY   2016
Intensive 1000+ hour full-stack programming school, acceptance rate < 3%

Master of Science, Applied Physics, University of Oregon – Eugene, OR   2014-2015
Overall GPA – 3.43

Bachelor of Arts, Physics, Skidmore College – Saratoga Springs, NY   2010 -2014
Major GPA – 3.70