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PORTFOLIO

Productivity RPG   Github | Live   2015
To-do list app that treats your life like a game. Inspired by Habitica.
- Single-page React.js app built using Flux architecture on a RESTful Rails architecture
- Renders, positions, and layers original sprites by utilizing Sprite.js

Janken (Ro Sham Bo)   Github | Live   2016
Dynamic spin on the classic game Rock-Paper-Scissors built in JavaScript for the browser
- Renders graphics using HTML5 Canvas
- Custom vector algebra to detect collision between moving targets

C++ Flight Simulator   Github   2014
C++ powered Flight Simulator usable in the terminal
- Estimates volume of all traffic between 1000+ airports worldwide based on the FAA airport data US census population data
- Determines the most cost efficient flight schedule to move passengers between airports based on operational costs of various Boeing jets

SKILLS

C	C++	Matlab	Ruby	Ruby On Rails	Git	SQL	HTML/CSS
Vim	UNIX	React	Flux	jQuery	AJAX	Activerecord	Bootstrap

EDUCATION

App Academy, San Francisco, CA   October 2015- January 2016
Immersive, full-stack web development course (acceptance rate < 5%)

University of California, Davis, CA   Graduation: September 2015
BS in Mechanical Engineering
Related coursework: Software & Object-Oriented Program (C++), Programming & Problem Solving (C), Discrete Math for CS, Engineering Problem Solving (Matlab)

EXPERIENCE

Mechanical Systems Design Project   Fall 2014- Winter 2015
Design Team Member
- Acted as the liaison between Trinity Highway Products, LLC and team members
- Met regularly with 4 other students to design a $2500 value tension meter for $500
- Presented full design to sponsor including specifications, parts list, assemblies and drawings, circuitry, implementation code, and final overview

UC Davis Academic Technology Services   September 2013- January 2015
Computer Room Consultant
- Worked in a team with ~10 employees to ensure that 5 classrooms and 6 computer labs are all fully operational
- Provided appropriate, technically viable services to meet clients' needs
- Acknowledged by management for attention, detail, and selected to train new recruits