Oskar Perskaas

PORTFOLIO • **GITHUB** • **LINKEDIN**

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EXPERIENCE

Managing Partner - *Website Savants (2014 - 2016)*

- Designed and published WordPress websites to enhance online presence of local businesses
- Initiated and progressed relationships with local business owners

Data Analysis Team Leader - *IMCORP (2011 - 2014)*

- Overhauled LabVIEW analysis software and data handling flow, resulting in an increase in 24 hr data turnaround from 40% to 95% despite increasing data load
- Reduced dependency on expert analysts by funneling specially categorized data sets to less experienced analysts and automated systems
- Automated repetitive report generation with VBA macros, saving several man-hours per day

PROJECTS

CardBrain (Rails, React, Redux, PostgreSQL) | *Full stack engineer* live | github

Flashcards Web App based on brainscape.com

- Weighted card-choosing algorithm to emphasize weaker material, improving retention
- Incorporated flashy CSS transitions to mimic 3D card movement for engaging UX

Virtual Ball (Unity3D, C#, SteamVR Plugin) | *Sole Developer* download | github

Virtual Reality paintball game to train paintball skills

- Supports HTC Vive HMD and controller tracking for immersive, stimulating experience
- Devised AI so player can train as if playing against actual paintball players
- Wrote physics rules to model accurate paintball behavior for realistic experience

QuickSort VR (JS, HTML, A-Frame) | *Sole Developer* live | github

Sorting algorithm visualization in virtual reality

- Animated sorting of 3D blocks for better visualization of sorting algorithm
- Used A-Frame library to support Google Cardboard on mobile devices

SKILLS

Ruby on Rails **RSpec** **JavaScript** **jQuery** **React** **Redux**

HTML5 **CSS3** **SQL** **Git** **Unity3D** **C#** **LabVIEW**

EDUCATION

Web Development - *App Academy, Fall 2016*

- Rigorous 1000 hour full-stack web development course with 3% admissions rate

BS Engineering - *University of Connecticut, 2011*

- *Major:* Biomedical Engineering, GPA 3.63, *Honors Scholar, cum laude*
- *Curriculum Highlights:* Intro to Computing, LabVIEW Basics, LabVIEW Intermediate, Statistical Methods, Electrical Circuits, Calc I-IV, Physics with Calc I & II