

Oskar Perskaas

[PORTFOLIO](#) • [GITHUB](#) • [LINKEDIN](#)

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EXPERIENCE

Web Developer - 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, increasing data handling capacity by 200%

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 CSS transform 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 that locates and shoots at player if visible in field of view
- 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 dynamic sorting of 3D blocks for spatial visualization of recursive sorting algorithm
- Used A-Frame library to support Google Cardboard virtual reality experience on mobile devices

SKILLS

Ruby on Rails	JavaScript	React	HTML5	Redux	Git	Ruby
PostgreSQL	LabVIEW	RSpec	Unity3D	jQuery	C#	CSS3

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