

NICK GIRARDO

PERSONAL INFORMATION

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WORK EXPERIENCE

Software Engineer – Sketchdeck Inc.
Fall 2016– Developed and maintained SaaS web application.
Winter 2018 Designed, proposed, developed, and deployed internal and external tools.

Software Engineering Intern – Addteq Inc.
Summer 2015 Designed and developed platform for automatic setup of Atlassian tools.

Software Engineer – Rutgers University
Fall 2013– Refactored simulation-heavy program originally created by untrained programmer. Focus on
Winter 2014 stability, performance, and readability.
Architectural redesign allowing for multithreaded simulation.

PROJECTS

WebAssembly Boids
Fall 2018 Classic boids simulation running in hand-written WebAssembly.
Exploration of WebAssembly's interface and performance.
View demo: <http://nickgirardo.github.io/animation-tests/wasm-boids/>
View source: <https://github.com/nickgirardo/wasm-boids>

Cel Shaded AA Demo – WebGL 2 Port
Fall 2018 WebGL 2 port of Philip Rideout's "Antialiased Cel Shading" demo.
Exploration of shading and tessellation in WebGL 2.
View demo: <https://nickgirardo.github.io/trefoil/>
View source: <https://github.com/nickgirardo/wasm-boids>

Context Play/ Pause
Summer 2018 Firefox WebExtension allowing users to play or pause videos from a tab's context menu.
View Add-on: <https://addons.mozilla.org/en-US/firefox/addon/context-play-pause/>
View source: <https://github.com/nickgirardo/context-play-pause>

Grid Tetris
Summer 2018 Experimental implementation of classic video game Tetris using CSS Grid for all display.
View demo: <https://nickgirardo.github.io/grid-tetris/>
View source: <https://github.com/nickgirardo/grid-tetris>

Phone.WTF
Fall 2015 Prank your unsuspecting friends and family by connecting them through a phone call.
Uses the Twilio API and a Python/ Flask backend.
Created at Fall 2015 HackNY Hackathon, winner of PayPal prize.
View source: <https://github.com/nickgirardo/PhoneWtf>

EDUCATION

Rutgers, the State University of New Jersey, New Brunswick
2012-2016 Major in Computer Science, School of Arts and Sciences

January 8, 2019