NICK GIRARDO

PERSONAL INFORMATION

email	nickgirardo@gmail.com
website	https://nickgirardo.github.io/
github	nickgirardo
phone	+1 (856) 520-5481

EDUCATION

Rutgers, the State University of New Jersey, New Brunswick

2012-2016 Major in Computer Science, School of Arts and Sciences

WORK EXPERIENCE

Software Engineer – Sketchdeck Inc.

Fall 2016– Winter 2018 Developed and maintained SaaS web application.
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– Winter 2014 Refactored simulation-heavy program originally created by untrained programmer. Focus on stability, performance, and readibility.
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: hsttp://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 tesselation 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

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