Owen Lynch

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Education

Brown University

Pursuing BSc., Math, May 2020 GPA: 4.0

Courses: Multivariable Calculus, Linear Algebra, Abstract Algebra, Statistical Inference I, Functions of Several Variables, Algorithms

Commonwealth School

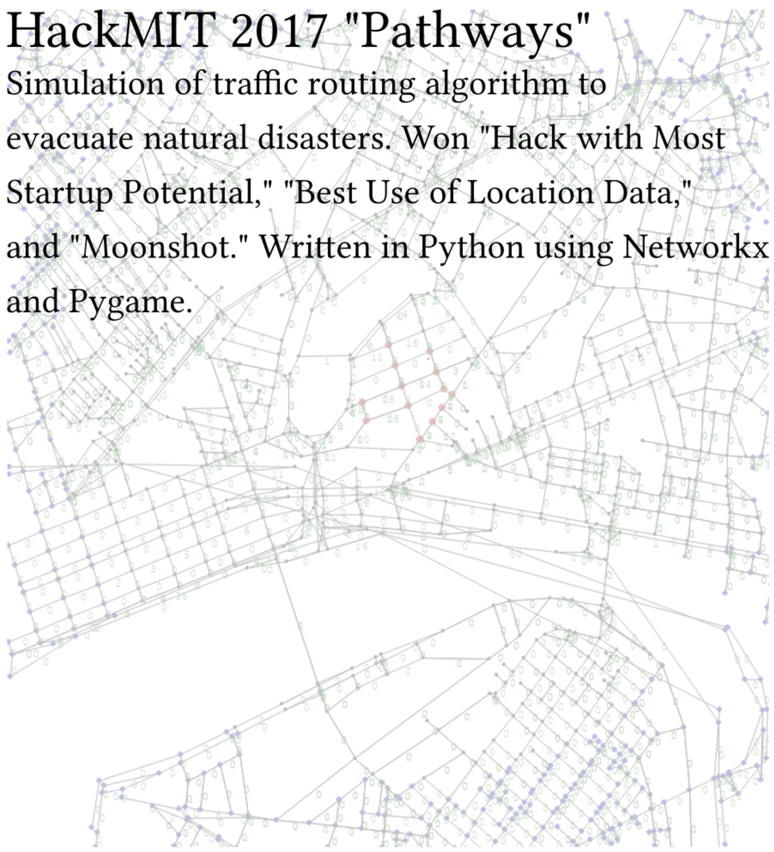
High School Diploma, June 2016

Courses: Functions of a Single Variable, Mathematical Logic, Introduction to AI, Introduction to Compilers

Projects

HackMIT 2017 "Pathways"

Simulation of traffic routing algorithm to evacuate natural disasters. Won "Hack with Most Startup Potential," "Best Use of Location Data," and "Moonshot." Written in Python using Networkx and Pygame.

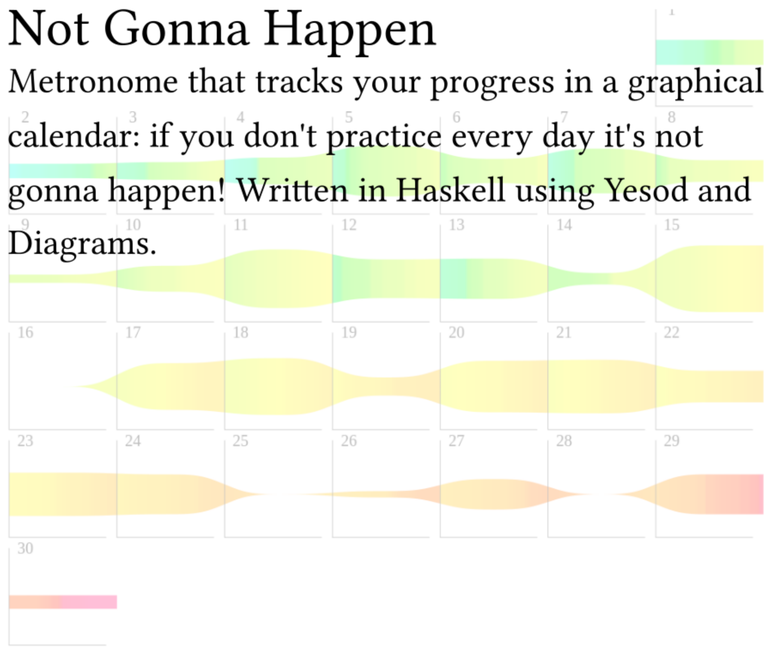


Interactive Graph Editor

Keyboard driven extensible graph editor, purpose is to explore nonlinear syntax for programming language design. Written in Haskell using Cairo.

Not Gonna Happen

Metronome that tracks your progress in a graphical calendar: if you don't practice every day it's not gonna happen! Written in Haskell using Yesod and Diagrams.



Experience

New England Complex Systems Institute

Student Researcher (2016-2017)

Researched and implemented novel techniques in image processing. Wrote large-scale data scraping infrastructure. Helped to migrate large amounts of data. Studied novel information theoretic methods for modeling changes in complex systems. Worked in Python, R, and C.

Brown Math Department

Math Resource Center Tutor (2017)

Tutored Brown students in calculus (up through multivariable) and linear algebra.

Winter Hill Community School

Math Classroom Assistant (2014)

Helped run a summer math class for struggling sixth to eighth grade students.

Green Streets Initiative

Web Developer Intern (2013)

Wrote live-updating leaderboard for Walk-Ride day competition. Implemented Django and Postgresql backend and JQuery frontend, and administered Debian server.

Proficiencies (non-exhaustive)

Misc

I play violin, swing and blues dance, and rockclimb.

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Resume written in Haskell so: Fractals!