Henry J Steinitz

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Skills

JavaScript	Haskell
React.js	Python
Redux	Java
Ruby	Swift
Rails	Xcode
Theano	MatLab
TensorFlow	Polymer

Coursework

Complexity
Computability
Algorithms
Logic
Machine Learning
Systems
Linear Algebra
Statistics
Probability
Calculus
Neuroscience

Projects

Oceanplay

Minimalist, single-page music streaming and sharing application. Built using React, Redux, and Rails.

- HTML5 audio element is tied to the global state which allows for modular controls and continuous playback across application pages.

Neura

Multi-layer perceptron visualizer.

- Features customizable network architectures and customizable, randomly generated datasets.
- Visualizes layerwise activation and weight / bias strength.

Reset.js

DOM manipulation library with memory.

- Keeps track of each element's operation history and provides undo and redo methods.

Education

University of Chicago - B.S. in Mathematics
September 2011 - June 2015

- Graduated with a 3.72 major GPA and received departmental honors
- Conducted independent research and wrote a survey proving that two different definitions of algorithmic randomness are equivalent.

App Academy
July 2016 - November 2016

- 10,000 hour intensive web development program with a 3% acceptance rate.

Experience

Big Apple Tutoring - Private Tutor
September 2015 - Present

- Taught math, physics, and computer science to advanced high school students.

Oxfam - Fundraiser
July 2016 - November 2016

- Canvassed in NYC to raise money for Syrian refugees.