

# Aaron Funes

<https://funesaaron97.github.io/AaronFunes> | (773) 574-2247 | [aaronfunes2020@u.northwestern.edu](mailto:aaronfunes2020@u.northwestern.edu)

## Education

### Northwestern University

GPA: 3.2

| Evanston, IL

*Bachelor's Degree in Physics, Minor in Italian Studies*

*Sept 2016-June 2020*

*Awards: Questbridge Scholar, Illinois State Scholar, J.S. & Helen James Scholar*

### Syracuse Abroad: Florence

| Florence, Tuscany, Italy

*Course Work: Advanced Italian Conversation*

*September-December 2019*

**Programming Skills** | JavaScript, HTML, CSS, React.js, reactrouter, JSON, axios, Python, NumPy, R, rvest, tidyverse, Object Oriented Programming, GitHub, GitHub Pages, Linux Bash, Mathematica, MATLAB, npm, yarn, algorithms

## Technical Projects

*January 2022 – February 2023*

### Portfolio Website | React.js, JavaScript, HTML, CSS

source | <https://github.com/funesaaron97/AaronFunes>

- Utilized React.js to create JSX class components and routed them together using react-router to simplify user navigation and reduce website load times by 50%

### Towers of Hanoi | React.js, JavaScript, HTML, CSS, Python

app | [https://funesaaron97.github.io/towers\\_of\\_hanoi/](https://funesaaron97.github.io/towers_of_hanoi/)

- In JavaScript, utilized React.js and its useState hook to manipulate DOM elements, while representing the Towers (stacks) through arrays and their corresponding methods.
- In Python, manipulated LinkedList and Node objects to alter the stacks.

### Crypto Currency Price Monitor | React.js, Axios

app | [https://funesaaron97.github.io/price\\_monitor/](https://funesaaron97.github.io/price_monitor/)

- In React.js, used the useEffect hook, functional components, promises, and the Coingecko API to return JSON objects as tangible information about the \$1.6 billion crypto market to the user.

### HashMap Floral Dictionary | Python

source | [https://github.com/funesaaron97/floral\\_dictionary](https://github.com/funesaaron97/floral_dictionary)

- Utilized a HashMap class and Separate Chaining as way to organize information about floral definitions.

### Tic Tac Toe | Python

source | <https://github.com/funesaaron97/tictactoe>

- Programmed Tic Tac Toe with fundamentals such as for and while loops, arrays, and conditionals.

## Work Experience

### STEMPod Educational Startup

| Chicago, IL

*Strategy Manager (Cofounder)*

*August 2020- March 2022*

- Researched and developed strategies for streamlining and improving tutoring services, deficiencies in business operations, and expansion of the STEMPod platform. Interaction and engagement increased by 40%.
- Aided in the development and production of the Insights Podcast which hosted guest speakers such as Dr. Anthony Fauci and Nobel Prize Winner Dr. Rainer Weiss. Total viewership reached 223,000 views.
- Established Partnership with CPS school Currie Highschool and other high schools in New York.

### Northwestern Institute for Policy Research

| Evanston, IL

*Meta Analyst Research Assistant (Software Developer)*

*June-December 2019*

- Programmed an iterative web scraper (in R) for data retrieval and database compilation for around 500 different educational researchers and their contributions on published psychological journals.
- Compiled data sets for standard physical units with their corresponding uncertainty conditions.

### Vector Marketing (South Loop Office)

| Chicago, IL

*Sales Representative*

*June-August 2017*

- Boosted Team sales by 18% through effective communication, negotiation, and presentation skills.
- Established network of clientele that aided in the aggregation of \$75,000 in Team Summer Sales

### De La Salle Institute

| Chicago, IL

*IT Summer Intern*

*June-August 2015*

- Tested, assembled, and configured laptops, hard drives, and capacitive touch screens for 1000+ students

## Learning Experience

*Data Structures and Algorithms on Codecademy*

*June 2022 – Present*

*R and Tidyverse Bootcamp (Northwestern University)*

*August 2019*

**Miscellaneous** | Fluent in Spanish and Italian, Intermediate French, Microsoft Office Suite, Ableton Live, Vegas Pro