

# Sean Tarzy

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Github: [seantarzy](#) | Medium: [seantarzy](#) | LinkedIn: [Sean-Tarzy](#) | Portfolio: [seantarzy](#)

## TECHNICAL EXPERIENCE

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### Crypto Analyzer | [Github](#)

- Constructed a React website with a Node.js backend that gives real time, user-friendly data about Bitcoin, including the current price, price graph and data, articles, and an “item of the day”
- Scraped the bitcoin price from Google using Puppeteer
- Created a dynamic API in Node.js to allow client to retrieve the live data
- Created filtering capabilities to allow user filtering to choose the currency for the rendered price

### Mnemonic Maker | [Github](#) | [Website](#) | [Blog](#)

- Built website in React, Redux, and Rails that generates mnemonic devices for studying purposes using popular songs
- Scraped Youtube IDs and song lyrics from genius.com using a RESTful client and Nokogiri
- Implemented secure user authorization and authentication using JWT
- Designed a RESTful Rails API, allowing full CRUD actions for the Front-End client
- Developed filtering capabilities for better user experience
- Created a Lyric-Snippet table to query a song phrase with matching initials

### War Games | [Github](#) | [Website](#) | [Blog](#)

- Built an MLB player card game, similar to “War” using React
- Used Nokogiri and a RESTful client to scrape the top 1,000 baseball players and statistics from ‘baseball reference.com and seeded them to a SQL database
- Implemented game logic to determine the winner per hand, and to keep track of score using JavaScript and React hooks
- Developed iOS app using React Native
- Designed animated elements using custom CSS and HTML

## TECHNICAL SKILLS & LANGUAGES

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- JavaScript, JQuery, React, Redux, SQL, React Native, Ruby, Ruby on Rails, HTML5, Celonis, Microsoft Power Automate, CSS3, SQL, JSON, Github, Microsoft Office

## CERTIFICATIONS

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- Coursera: Introduction to TensorFlow for Artificial Intelligence, Machine Learning, and Deep Learning

## PROFESSIONAL EXPERIENCE

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### Key Collegiate Middle School | Brooklyn, NY

August 2018 - October 2019

#### Math Instructor

- Created comprehensive lesson plans for over 50 elementary school students, incorporating a wide variety of teaching methods to ensure students were actively engaged to understand the materials
- Led teaching extracurricular activities to students in many areas including chess, computers, and fitness
- Developed personalized lessons tailored to each student's strengths, increasing class average by over 100%

### Northwestern Mutual | New York, NY

June 2017 - November 2017

#### Financial Representative Intern

- Contacted thousands of professionals to advise and communicate financial security offerings, generating over 20 new clients
- Educated clients on life insurance policies as well as other investment options, such as retirement accounts
- Collaborated with senior agents at Northwestern Mutual to deliver optimal services to existing and prospective clients.

### Brightside Daycare Corporate | New York, NY

May 2016 - August 2016

#### Forecast Analyst

- Analyzed demographics of daycare centers to forecast future profitability
- Assessed internal operations to identify areas of opportunity to drive efficiency and profitability
- Prepared financial reports for banks and other lenders to support new business ventures

## EDUCATION

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### Flatiron School

Full Stack Web Development, Ruby on Rails, and JavaScript immersive Program

March 2020

### Binghamton University, State University of New York,

Bachelor of Associates in Financial Economics

May 2018

GPA 3.5/4.00

## ADDITIONAL SKILLS

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**Mathematics:** Tutoring in Algebra, Calculus (I & II), Geometry, Economics, and Basic Math

**Interests:** Computers and Technology, Basketball, Baseball, Guitar, Filmmaking, History, Music, Education