

Robert Ku

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[LinkedIn](#)

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[Personal Site](#)

New York, NY

SKILLS React.js, Ruby on Rails, JavaScript, Ruby, Python, Java, jQuery, RSpec, Redux, SQL, Git, HTML5, CSS3, Swift

PROJECTS

Firefy

A clone of Spotify written using React, Redux, and Ruby on Rails

[Live Site](#) | [Github](#)

- Leveraged React Hooks and Redux to manage frontend state and with HTML5 Audio elements, produce seamless music playback during app navigation.
- Utilized Ruby on Rails and CRUD actions to allow users to create and edit playlists, follow playlists, and add friends to see what they are following.
- Stored image and audio files on AWS S3 and enabled users to upload their own, thus streamlining app and increasing scalability.
- Generated “smart,” reusable React song components so users can view, play, and save songs from many pages.

Stockvis

A data visualization project, written using Javascript and D3, for performing financial analysis

[Live Site](#) | [Github](#)

- Created versatile interface using Vanilla Javascript enabling users to select any company ticker and a technical indicator type to determine buy/sell signals.
- Developed API call functionality to retrieve current pricing information from Alphavantage.
- Implemented moving, color-coded D3 line graphs so users could more easily view overlapping values and options to run/clear all tests to improve user experience (UX).
- Constructed an animated carousel using CSS to assist users in finding stock tickers.

EXPERIENCE

Front Desk and Instructor

The Cliffs at Valhalla, Feb 2017 - Feb 2019

- Compiled all incident data from the last 5 years into a set of electronic records to identify trends in injury causes and guide preventive measures.
- Reached membership sales goals by building client relationships and leveraging sales strategies.
- Enhanced community and taught advanced techniques by leading classes and group clinics of about ten people.

ACT/SAT Tutor

Huntington Learning Center, Feb 2015 - Feb 2017

- Coached 50+ middle/high school students through one-on-one meetings.
- Empowered students to boost scores on the ACT/SAT and in Biology, Math, and Chemistry.
- Collaborated on students’ experiences during monthly teacher meetings to improve learning outcomes.

Medical Researcher

New York Medical College, Sep 2014 - Dec 2014

- Executed knockout studies on DNA polymerase delta to investigate DNA replication and DNA repair.
- Performed gel electrophoresis, fluorescence microscopy, plasmid and protein purification, and DNA fiber comboing, fundamental genetics lab processes.
- Engaged in meetings and seminars to assess recent research and new lab technology.

EDUCATION

App Academy - Immersive full-stack course with <3% acceptance rate and 1000-hour curriculum. (Summer 2019)

Passed 2018 Level I CFA (Chartered Financial Analyst) exam

Cornell University - BS - Biology (Spring 2014)