

# Zachary Rondos

## Software Engineer

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## PROJECTS

### [Bill Splitter Application](#) Ruby on Rails, Devise, Group Project

- Lead team of 4 using Agile practices to build a high quality product in a short time frame
- Developed algorithm to pass image into Optical Character Recognition API via ActiveStorage, receive and parse JSON into object with quantity, name and price attributes
- Utilized JavaScript to allow for asynchronous database interactions via drag and drop feature
- Managed complex database relations of 6 models and 19 associations with ActiveRecord and PostgreSQL
- Used Devise Gem for data and user authentication

### [Pokemon Team Analyzer](#) Ruby on Rails, Chart.js

- Obtained data via multiple promise based API calls for asynchronous page population
- Developed algorithm that quantitatively analyzes a Pokemon's qualitative "type" to calculate how much damage a Pokemon will take from a variety of attacks
- Utilized CSS Grid for full mobile responsiveness
- Visualized data via Chart.js by creating interactive graphs to aid users search for data

### [USA Gymnastics Admin Panel](#) Ruby on Rails, Sentry Raven

- PostgreSQL and ActiveRecord utilized for complex database relationships creating full CRUD functionality for all models
- Created Custom Rake Tasks allowing user to make complex database alterations either through front end interaction or daily via Heroku Scheduler
- Used MVC Model via AJAX calls to reflect database changes without reloading the page
- Utilized CSS Flexbox for mobile responsiveness

## EXPERIENCE

### **Illi Restaurant, Waiter** — New York City

August 2017 - July 2018

### **Wild Restaurant, Assistant Manager** — New York City

August 2014 - July 2015

- Led team of 15+ through pre-shift meeting and daily/nightly service
- Yelp rating increased by 1 full star due to anticipating problems leading to high levels of customer satisfaction

### **Downingtown Area School District, IT Technician** — Downingtown, PA

June 2014 - August 2014

- Stock management and configuration of over 2000 computers and 400 iPads, installing operating system, security software, and establishing connection to school district network
- Staff and student technical support for devices including computers, phones, SmartBoards, iPads

## EDUCATION

### **New York Code & Design Academy**

- Software Engineering Intensive  
July 2018 - November 2018

### **University of California Berkeley**

- 2 years completed for B.S. Chemical Engineering and Mathematics Minor  
August 2015 - August 2017

## TECHNICAL SKILLS

Ruby on Rails

Python

JavaScript

HTML/CSS

SQL, PostgreSQL

ActiveStorage

ActiveRecord

Git

Chart.JS

Optical Character Recognition

Matlab

Sinatra

## LANGUAGES

English - Native speaker

Spanish - Conversational