

# Zachary Espiritu

I'm a software engineer.

ZacharyEspiritu 

zacharyespiritu 

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## Experience:

**Software Engineering Intern, Negotiatus** Jun 2017 – Current

- Optimized queries for faster site performance and built tools to help improve sales team productivity

**Software Engineering Intern, Negotiatus** Jun 2016 – Aug 2016

- Developed automated scheduling system where clients can place recurring orders, leading to significant increases in monthly revenue
- Co-developed test suite from scratch for several thousand lines of code with over 70% coverage; set up Travis CI and RSpec configuration
- Built several web scrapers with natural language processing capabilities for automation purposes, saving hundreds of hours of human labor

**Teacher, The Coding Space** Mar 2016 – Jun 2016

- Taught K-8 students how to create their first coding projects using Scratch and Javascript

**Speech & Debate Coach, Holy Family School** Sep 2014 – Apr 2015

## Projects:

**Github Dating Simulator** Sep 2016

Ruby on Rails web app that analyzes Github users and generates hackathon teams by using statistics, graph theory, and the Github API.

**Math Battle** Oct 2015 – Aug 2016

iOS app where two players compete to solve math-based puzzles in real-time, online multiplayer battles; named one of "10Under20: Young Innovators to Watch" @ CEWeek 2016.

**FitFarm** Jan 2016

Farm management simulator where players raise a farm through real-world exercise using HealthKit data; 3rd Place at hackTrin III.

**Data Farm** Aug 2015

iOS app tracking cellular data usage in order to motivate people to consider cheaper data plans; 1st Place at hackGCT 2015.

**Tile, Tap, Push!** Jun 2015

Open-source iOS game where two players race to tap a stream of tiles as fast as possible; over 3000 downloads on App Store.

(more projects, designs, and articles @ zacharyespiritu.com)

## Skills:

**Languages:** Swift, Objective-C, Java, HTML / CSS, Ruby, Javascript

**Technologies:** Rails, Sass, jQuery, Mixpanel, Firebase, Sketch, InDesign

## Education:

**Brown University**

Sep 2017 – Expected Jun 2021

**Regis High School**

Sep 2013 – Jun 2017

**Independent Studies:** Data Structures and Algorithms, AP Computer Science, AP Statistics

**Other Courses:** Calculus AB / BC, Advanced Physics

**Make School Summer Academy**

Jun 2015 – Aug 2015

- Developed 3 iOS apps in 8 weeks with no prior knowledge of Swift or iOS development
- Won the "Audience Choice" & "Student Choice Runner-up" awards at end of program

## Activities:

**The Owl, Layout Editor**

Designed print editions of student-run newspaper with Adobe InDesign; in 2014, deployed new online format using custom WordPress theme.

**Computer Science Peer Tutor**

Taught students on topics such as HTML/CSS, database design, & Java.

**Stage Crew, Lighting Designer**

Head lighting designer at high school for 4 years; managed crew of ~20 students.

**Speech & Debate Society,**

Speech President

Nationally-ranked speaker; responsible for coaching speakers on ~210 person team.