Zachary Espiritu

I'm a software engineer.

ZacharyEspiritu
zacharyespiritu
http://zacharyespiritu.com
me@zacharyespiritu.com

Experience:

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.

Mental Health Matters   Sep 2016
Designed and developed website for mhm.nyc, a mental health awareness blog built on top of the Chameleon CMS for Rails.

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.**

Skills:

Languages: Swift, Objective-C, Java, HTML/CSS, Ruby, Javascript
Technologies: Rails, Sass, jQuery, PostgreSQL, MS Access, Mixpanel, Sketch, Firebase, Git

Education:

Regis High School
Sep 2013 – Expected 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 the end-of-program Demo Day

Activities:

The Owl, Layout Editor
Designs print editions of student-run newspaper with Adobe InDesign; in 2014, deployed new online format using custom WordPress theme.

Computer Science Peer Tutor
Regularly teaches students on topics such as HTML/CSS, database design, & Java.

Stage Crew, Crew Chief
Head lighting designer at high school for past 4 years; manages crew of ~20 students.

Speech & Debate Society, Speech President
Nationally-ranked speaker in Oral Interpretation; 7-time finalist at national tournaments (Yale, Princeton, Columbia, etc.).