Conner DiPaolo

2516 Vista Drive, Newport Beach

@cdipaolo
cdipaolo96@gmail.com
949 300 3774

Experience

soulsoup   January 2015 - Present

Lead software engineer for a 501c nonprofit working to leverage more personal connections between sponsors who donate to soup kitchens and the homeless they donate to while cutting overhead significantly.

- Created a scalable, well documented backend API in idiomatic Golang that connects to a PostgreSQL relational database and Amazon Web Services.
- Developed thorough integration and unit testing techniques to curb chances of consumer-data harm as well as improve development iteration.
- Used Agile and SCRUM techniques to speed up development time under limited resources.
- Collaborated with other developers with git, through GitHub, to itemize and distribute tasks according to SCRUM workflow.

Varsity Cross Country and Track   August 2012 - Present

Captain of Varsity Cross Country and Varsity Track at Newport Harbor High School (12.) Varsity athlete for all participated years (10-12.)

- Set an example for other cross country athletes and assist coaches in directing athletes to maximize their potential on and off the track and course, including instructing athletes of better dietary and lifestyle choices to improve performance.
- Led other varsity athletes to exemplary race performances via pre-race hype and organized team building dinners.
- Explored different training methods to improve the performance of the team as a whole.

Newport Harbor High School Beacon   September 2011 - Present

Editor In Chief (12) of school newspaper serving approximately 2500 students, plus other faculty members. Sports Editor during 11th grade, Copy Editor during 10th grade, and member of the Journalism I class in 9th grade.

- Directed a network of 5 editors and over 10 staff writers to produce a monthly newspaper covering all aspects and social groups of life at Newport Harbor High School.
- Led initiatives to enact SCRUM workflow withing the Beacon organizational workflow to reduce significantly the rate of deadline ignorance.
- Wrote articles covering unique, yet ubiquitus, sides of the Newport Harbor culture, such as the Newport-Mesa Film Festival, the grassroots handball-as-a-sport movement on campus, and profiles on stellar athletes in relatively unknown sports on campus.

Projects

Shogi   January 2015

Implemented the Japanese variant of chess, Shogi, as a two-player iPad application with Objective-C under MIT license on GitHub. Custom designed a clean user interface with Adobe Illustrator and Affinity Designer.

NHHS Beacon   June 2014 - September 2014

Created a news delivery web application service for the Newport Harbor High School school newspaper, The Beacon, with Python 3.x via Django and Bootstrap, and deployed under a SQLite database. Also designed an intuitive interface such that non-developers can contribute and add content easily to the service.

golinear   February 2015

Developed and tested a foundational linear algebra in Golang under MIT license on GitHub which included vector and matrix manipulations as well as methods to solve Ax=B linear solutions using Gaussian Elimination.

resume   April 2015

Open sourced an HTML and CSS template in GitHub under MIT license, including PhantomJS's render.js page capture method to enable users to easily edit a scalable resume through an intuitive template in HTML and use a pre-commit git hook to update the pdf rendition automatically. Proficient in recursion.

Skills

Programming Languages

Listed in order of proficiency.

- Golang
- Objective-C
- SQL (PostgreSQL, specifically)
- Javascript (Node.js more so than frontend)
- HTML5 and CSS3
- Python
- Bash
- C
- Swift

Technologies

Listed in order of proficiency.

- git
- Agile and SCRUM
- UNIX Command Line
- GitHub
- Atom