

# Isaac Siegel

icsiegel@cpp.edu | 310.961.6938 | www.IsaacSiegel.me



## Education

### California State Polytechnic University, Pomona

2012-Present

- ❖ Bachelor of Science in Computer Science (Expected 2016)
- ❖ Major Coursework: Software Engineering, Data Structures, Object Oriented Design, Databases

## Experience

### Software Engineer Intern at Northrop Grumman Corporation

June 2014

- ❖ B-2 Spirit Stealth Bomber, Mission Planning Software
- ❖ Created 14 code packages including development, testing procedures, and code coverage
- ❖ Participated in code reviews as an author and reviewer
- ❖ Wrote unit tests using NUnit for testing partial algorithms before integration
- ❖ Regularly demoed work for the Air Force and responded to feedback
- ❖ Employed Agile Development Methodologies
- ❖ Traveled to McLean, Virginia to present at the Information Systems Headquarters

### Programming Instructor at UCode

July 2013-May 2014

- ❖ Assumed significant responsibilities including leadership and management of instructors, analysis of teaching methodology, and advising on curriculum planning and implementation
- ❖ Taught young students 1-on-1 to program in HTML, CSS, JavaScript, Scratch for **1000 Hours**

### Executive Aide & Assistant Governor, District 5280 Rotary International

2008-2012

- ❖ Co-Lead a regional team in coordinating youth volunteer efforts for humanitarian projects (ex: raised funds to purchase **3000+ vaccinations** to eradicate Polio).

## Hackathon Projects

### Co-Founder, Developer at Bronco Scheduler (HackPoly '14)

February 2014-Present

- ❖ [www.BroncoScheduler.com](http://www.BroncoScheduler.com) **10,000+** Users, **21,000+** Sessions
- ❖ User enters possible class times, returns an optimized schedule based on preference filters

### 1<sup>st</sup> Place Causathon (Non-Profit Hackathon) Winner

February 2015

- ❖ Developed a patient database system for non-profit: Padres Contra El Cancer
- ❖ As the solo developer, used AngularJS to build frontend search and patient info functionality, used FirebaseAPI for rapid deployment of backend.

### ScavengeWithFriends (HackPoly '15)

February 2015

- ❖ Developed a virtual scavenger hunt in Google Street View

### Travelr (CalHacks)

October 2014

- ❖ Developed a web/android travel data aggregator application using UBER and Google Maps APIs

## Skills

**Programming Languages:** Java, Javascript, HTML, CSS, C#, WPF

**Code Coverage and Testing Software:** NUnit, AQTime, FXCop, ReSharper, GhostDoc

## Hobbies

- ❖ **11 Years** of French Horn Study & Performance, Spanning **15** Music Organizations
- ❖ Lunar and Eclipse Astrophotography

References Available Upon Request