

# Isaac Siegel

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## Education

**California State Polytechnic University, Pomona**

**GPA: 3.4**

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

## 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/Personal 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, **8:33** Average Session Duration
- ❖ 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.com (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

**Frameworks:** AngularJS, Bootstrap, Jenkins, Maven

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

## Hobbies

- ❖ Principal Horn in CPP Wind Ensemble: **11 Years** of Study, Spanning **15** Music Organizations
  - ❖ Lunar and Eclipse Astrophotography
- References Available Upon Request