

# Isaac Siegel

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## Experience

### Software Engineer Intern at Northrop Grumman Corporation

June 2014

- ❖ B-2 Spirit Stealth Bomber, Mission Planning Software
- ❖ Development of Software Functionality, Bug-Fixes, Inspection of Team Code
- ❖ Completed 14 code packages in C# and WPF
- ❖ Wrote unit tests using NUnit for testing partial algorithms before integration
- ❖ Converted Ada algorithms to C#
- ❖ Participated in Code Reviews as an author and as a reviewer
- ❖ Regularly demoed work for the customer and responded to feedback
- ❖ Employed Agile Development Methodologies working on team of Software Engineers, System Engineers, and Software Architects
- ❖ Traveled to McLean, Virginia to present at the Information Systems Headquarters

### Co-Founder, Developer at Bronco Scheduler

February 2014

- ❖ [www.BroncoScheduler.com](http://www.BroncoScheduler.com) **6700+** Unique Users, **15600+** Views
- ❖ Used Javascript and HTML to develop the prototype visual calendar view
- ❖ Implemented class tracking data collection and organization
- ❖ Front End Development with Bootstrap
- ❖ User enters possible class times, returns an optimized schedule based on preference filters

### HackPoly Hackathon Team Participant

January 2014

- ❖ Developed the above, award-winning scheduler application in a **24 hour** period, **0 Sleep**

### Programming Instructor at UCode

July 2013

- ❖ 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
- ❖ Total of **600 Sessions** for **1000 Hours** over 10 month period

### Leadership Camp Counselor, RYLA

2009-Present

- ❖ Implemented annual retreat to train youth in leadership, team building, and public speaking skills

### Executive Aid & 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).

## Skills

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

**Development Environments:** Visual Studio, Eclipse, IntelliJ, WebStorm, Sublime Text, VIM

## Hobbies

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

## Education

### California State Polytechnic University, Pomona

2012-Present

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

References Available Upon Request