

Isaac Siegel

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Education

California State Polytechnic University, Pomona

Expected June 2016

- ❖ Bachelor of Science in Computer Science, **GPA: 3.5**, Multiple Dean's List Honors

Experience

Software Engineer Intern at Bluebeam Software

June 2015-September 2015

- ❖ Architected/Implemented a blueprint collaboration platform using AngularJS, Node, REST, Foundation, QUnit
- ❖ Implemented bi-directional infinite scrolling to improve chat scalability
- ❖ Hosted seminar on Software Engineering, Agile, Test Driven Development

Software Engineer Intern at Northrop Grumman Corporation

June 2014-September 2014

- ❖ B-2 Spirit Stealth Bomber, Mission Planning Software
- ❖ Contributed as the single intern on a team of full-time engineers, employing Agile development methodologies
- ❖ Developed 14 code packages, tested with NUnit/AQTime for 100% code coverage
- ❖ Participated in code reviews as an author and reviewer
- ❖ Regularly demoed work for the Air Force and responded to feedback

Programming Instructor at UCode

July 2013-May 2014

- ❖ Assumed responsibilities including leadership of instructors and analysis of teaching methodology/curriculum
- ❖ Taught students to program in Java, HTML, CSS, JavaScript, Scratch for **1000 Hours**
- ❖ Taught recursion to a 5th Grader, best day ever.

Executive Aide, Assistant Governor, Camp Counselor, Rotary International

2008-Current

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

Projects/Hackathons

Bronco Scheduler (HackPoly '14)

February 2014

- ❖ www.BroncoScheduler.com **14,000+** Users, **26,000+** Sessions
- ❖ User enters possible class times, website displays ideal schedules based on preference filters

Scavenge With Friends (HackPoly '15)

February 2015

- ❖ Developed a virtual scavenger hunt game utilizing Google Street View and Firebase

SnapThat.io, Android App

June 2015

- ❖ Developed a social, camera based scavenger hunt app, deployed in the Google Play Store

Team Lead, Groceries For Us

January 2015

- ❖ Developed backend REST API server using Java Spring/MongoDB, and frontend using AngularJS
- ❖ Deployed automatic build procedures/unit testing/continuous integration with Jenkins

1st Place Causathon (Non-Profit Hackathon) Winner

February 2015

- ❖ Developed a patient database system for non-profit: Padres Contra El Cancer

Skills

Programming Languages: Java, Javascript, HTML, CSS

Development Frameworks: AngularJS, jQuery, Bootstrap, Spring, Jenkins, Gradle, Maven, JUnit, NUnit, QUnit

Hobbies

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

References Available Upon Request