

# Justin T. Cosentino

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## EDUCATION

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### Swarthmore College

MAY 2015

B.A. in Computer Science with a minor in Mathematics

GPA: 3.74 (overall) | 3.86 (major)

**Relevant Coursework:** Cloud Systems and Data Networks, Randomized Algorithms, CS Capstone, Software Engineering Mobile Development, Natural Language Processing, Artificial Intelligence, Operating Systems, Database Systems, Theory of Computation, Algorithms, Structure and Interpretation of Computer Programs, Data Structures and Algorithms, Computer Systems, Stochastic Modeling, Abstract Algebra, Linear Algebra, Discrete Mathematics

## TECHNICAL SKILLS

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**Computer Languages (Proficient):** Java, JavaScript, Python, HTML, CSS

**Computer Languages (Familiar):** C, C++, Ruby, Apex, Matlab, Racket, IA32 Instruction Set

**Toolbox:** Aura, AngularJS, Ruby on Rails, Django, Apache Cordova, Git, Perforce, L<sup>A</sup>T<sub>E</sub>X

## EXPERIENCE

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### Salesforce

JULY 2015 - PRESENT

*Software Engineer: Associate Member of Technical Staff, Search UI Platform*

San Francisco, CA

- Develop features and functionality for Search within Salesforce's core applications

### Salesforce

SUMMER 2014

*Software Development Intern, Salesforce1 Platform*

San Francisco, CA

- Utilized the Aura web framework to build an interactive charting component for the next Salesforce1 Platform release
- Developed an application on the Salesforce platform that suggests collaboration groups based on desired skills and endorsements

### National Institute of Standards and Technology (NIST)

SUMMER 2013

*Summer Research Fellow, Perception Systems Group*

Gaithersburg, MD

- Researched, developed, and presented a novel, closed-form solution for extrinsic lidar calibration for use with mobile robotics
- Developed and configured ROS packages running dead reckoning and simultaneous localization and mapping algorithms

### Lectern.co

FALL 2012 - SPRING 2014

*Cofounder, Software Engineer*

San Francisco, CA

- Implemented various platform features, including a feed management system for populating a curated stream of articles
- Developed a native Android application containing all basic site functionality, including feed and collection management

### Swarthmore College Department of Computer Science

FALL 2012 - WINTER 2014

*Teacher's Assistant*

Swarthmore, PA

- Mentor 35 to 75 students each semester in developing efficient problem-solving and programming skills by aiding professors during classes and labs in addition to hosting weekly study and instructional sessions
- Courses: Introduction to Computer Science (Fall 2012, Spring 2014, Fall 2014), Computer Systems (Spring 2012, Fall 2013)

## SELECTED PROJECTS

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### Spine: a framework for rapid mHealth application development

SPRING 2015

- Architected, developed, and presented generation, packaging, and build systems for cross-platform mHealth applications

### Flock: real-time population mapping

SPRING 2015

- Developed a cross-platform mobile application that leverages various clustering algorithms to visualize campus population density

### ReLax: a lacrosse prediction engine

SPRING 2015

- Researched and developed a novel Markov chain Monte Carlo model for predicting the outcome of an upcoming lacrosse match

## AWARDS & ACTIVITIES

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Sigma Xi, The Scientific Research Society

SPRING 2015

Centennial Conference Academic Honor Roll, Centennial Athletic Conference

SPRING 2014, SPRING 2015

Information Technology Services Committee, Swarthmore College

FALL 2013 - SPRING 2015

Swarthmore College Computer Society, Swarthmore College

FALL 2012 - SPRING 2015

Eagle Scout Award, Boy Scouts of America

WINTER 2011