

# Harmannat (Nonie) Grewal

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## Education

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**University of California, San Diego**  
Bachelor of Science, Computer Science

**Expected Graduation:** June 2015  
**GPA:** 3.4

## Experience

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**Software Engineering Intern** **Cisco Systems** **June 2013 – September 2013**

- Built and designed iPhone application to increase efficiency of location services testing
- Increased performance and efficiency of wireless site surveys through robotic programming
- Integrated mobile application to existing server application integral to business unit
- Updated and added features to Android application to increase performance

**Languages Used:** Objective-C, C, Java

**Technologies Used:** Xcode, Eclipse, Web Servers

**Technical Analyst Intern** **Goldman Sachs** **June 2014 – August 2014**

- Persisted data onto Elasticsearch client using cURL and JSON
- Built and designed web-based application to query and display data
- Implemented data analytic components to visualize data statistics and aggregations

**Languages Used:** HTML, CSS, Javascript

**Technologies Used:** Eclipse, Vim

## Projects

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**Robotic Programming** **January 2012 – March 2012**

- Programmed a Scribbler Robot to successfully navigate an obstacle course utilizing built-in light sensors
- Created and programmed robot to traverse complicated predetermined paths

**Languages Used:** Python

**Computer Vision** **Association for Unmanned Vehicle Systems** **October 2012 – December 2012**

- Implemented algorithms using OpenCV to stitch images dynamically grabbed from a local directory

**Languages Used:** C++

**<http://hgrewal.github.io/noniegrewal/>** **May 2014**

- Designed and implemented personal resume website to display project and internship work

**Languages Used:** HTML, CSS, Javascript

## Leadership

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**Programming Competition Chair** **Women in Computing at UCSD** **2012 – 2014**

- Coordinate and handle logistics of quarterly competitions held on campus
- Delegate responsibilities and oversee processes from question writing to implementing solutions and running tests

**Vice President** **Women in Computing at UCSD** **2014 – Present**

- Organized networking and career development events for WIC members.

**Instructor** **Hour of Code** **December 2013**

- Mentored and taught young students below the age of twelve Computer Science skills at local community center.

## Relevant Skills

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**Languages:** C++, C, Java, Objective-C, HTML, CSS, Javascript

**Skills:** Vim/GVim. Unix/Linux, iOS Application Development, Web Development

**IDEs/Tools:** Eclipse, Xcode, AquaData

**Concepts:** Agile Development, Mobile Application, Unit Testing, Design Principles

