

Harmannat (Nonie) K Grewal

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Education

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

Expected Graduation: June 2015
GPA: 3.4

Experience

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

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

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

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

