

# NAVJOT S. CHEEMA

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## OVERVIEW

- Strong understanding of Object Oriented software development concepts, Agile Software Process, Design Patterns, Behavior-driven Development, and standard practices.
- Founded the science and engineering club at local community college to educate students on the field of engineering as a career.
- Expertise in C++ and Java, and interested in opportunities in which I can grow my technical skill set and enhance my knowledge with real world engineering experiences.

## EDUCATION

### B.S. Computer Science

University of California, San Diego

*Expected:* Mar/2016

*GPA:* 3.12

## RELEVANT COURSEWORK

- Applied Linear Algebra
- Advanced Data Structures
- Design and Analysis of Algorithms
- Software Engineering

## RELEVANT EXPERIENCE

**Software Engineer, Intern.** *Cubic Transportation Systems, San Diego CA* *06/2014 – 10/2014*

- Collaborated with intern team to develop virtual transit passes management application on Android platform utilizing Host Card Emulation & Near Field Communication technology.
- Designed and implemented application's security module: encryption, authentication, session keys, and checksum to establish a secure communication and preserve privacy.
- Designed and developed server-side logic, Java based backend application for NFC reader, and Android services to establish communication between Android device, NFC reader and server.

**Vice President/Co-Founder** *Science & Engr. Club (Chabot College), Hayward CA* *07/2010 – 12/2011*

- Led meetings, coordinated activities and projects for a team of 15.
- Encouraged and facilitated the engagement for student involvement in Computer Science and Engineering.
- Instructed Building/Assembling and overclocking a Personal Computer.

**Tutor (Volunteer)** *Chabot College, Hayward CA* *02/2011 – 07/2012*

- Tutored students in Computer Science Fundamentals, and Object Oriented Programming using C++.
- Skillfully articulated difficult concepts, and presented material in a way that facilitates learning.

## PROJECTS

**Place-Its** *Academic Project* *01/2014 – 03/2014*

- Collaborated with team of six to develop an Android application focused on providing user with to-do reminders based on location.
- Designed and Constructed logic and services to construct reminders using Google Maps API and communication with server using Google Services.

**Super-Zip** *Academic Project* *01/2014 – 02/2014*

- Developed a C++ application to compress and decompress files, by collaborating with team of two.
- Implemented Huffman encoding algorithm and data structures.

## TECHNICAL PROFICIENCY

- C++, Java (including Android)
- Intermediate Experience in Security, Python
- Tools: Eclipse, Android SDK, JUnit, JIRA, Git, Visual Studio, XCode

## MEMBERSHIPS AND RECOGNITION

- National Disaster Service and Local Disaster Action Team – American Red Cross (2010)
- Academic Honors List – Chabot College: 2 Semesters