

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.
- Expertise in Java, C++, Android 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

RELEVANT EXPERIENCE

Software Engineer, Intern. *Intuit, San Diego CA* 06/2015 – 09/2015

- Implemented Java RESTful web services stubs and web app APIs to delegate a secure authorization between clients and financial institutions over OAuth 2.0 authorization framework.
- Utilized Spring framework, interface-driven design, maintained high level of unit test coverage through test-driven development, and executed a demo web application to demonstrate end to end flow.
- Designed and implemented Android low-level API and high-level API for authentication library to validate signup input that improved security and usability.

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.
- Conceptualized 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

- Supervised meetings, directed 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

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

PROJECTS

iReceptionist

- iReceptionist is a web platform for medical offices that provides patient check-in, form management, arrival notification, and appointments integration.
- As a back-end sub-lead designed and developed token-based system for admin authentication using Node.js with Express.js and Mongoose.

Place-Its

- 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

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

TECHNICAL SKILLS

- Proficient in: Java (including Android), C++
- Intermediate Experience in: Node.js/Express.js, Swift, Mongoose, Security, HTML, JavaScript & Python
- Tools & Environment: Spring, Maven, Android SDK, JUnit, JIRA, Git, Eclipse, Visual Studio, XCode