NAVJOT S. CHEEMA

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EDUCATION

B.S. Computer Science   *Expected:* Mar/2016
University of California, San Diego

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

Play
- Designed and implemented an extension for Google Chrome that allows users to control Soundcloud playback controls via extension button.

iReceptionist
- Collaborated with team of sixty to create 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 authentication using Node.js with Express.js and Mongoose.

Virtue/vice
- Collaborated with team of five to design and develop a Habit tracking web app with cloud storage (Parse), web notifications, error and usage tracking. Implemented add & edit habits functionality, user interface, and analytics.

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 implemented logic and user interface to construct reminders using Google Maps API and Google App Engine.

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

- Languages: Java, C++, JavaScript, HTML, Python
- Tools & Environment: Android SDK, Spring, Node.js/Express.js, PostgresSQL, NoSQL, Maven, JUnit, JIRA, Git, Eclipse, Visual Studio, Android Studio, XCode,