Andrew A Chen
ANDREWACCHEN@GMAIL.COM GITHUB: GITHUB.COM/HANJI83 PORTFOLIO: ANDREWCHEN.IO

PROJECTS:

ForgeTeam (www.forgeteam.com / github: https://github.com/hanji83/forge-team): Backbone app with REST API on top of a Ruby on Rails layer; one MVC for the front-end, and another for the back-end; creates an interactive user interface for roster and line-up management; overrides parse method to allow for processing custom JSON backend data
Tree-Climbing (https://github.com/hanji83/tree-climbing): Implements tree data structure with BFS and DFS capabilities for tic-tac-toe AI and for possible routes finding for knight chesspiece
Tic-Tac-Toe (http://hanji83.github.io/TicTacToe--JS-CSS/ github: https://github.com/hanji83/TicTacToe--JS-CSS): Implemented a game of Tic-Tac-Toe in Javascript with visual representation via CSS and HTML

LANGUAGES AND TECHNOLOGY:

Ruby, Rails, JavaScript, Backbone, SQL, HTML, CSS, jQuery, C, C++, Intel Assembly, TDD, Git

WORK EXPERIENCE:

Product Development Engineer 1/2013 – 7/2013
Duke Empirical, Inc. Santa Cruz, CA

- Designed, managed, prototyped, and delivered components for major medical device products

R&D Engineer 6/2010 – 7/2011
Acclarent Menlo Park, CA

- US Patent Filed: Features to Enhance Grip of Balloon Within Airway
- Tested and designed the next generation staple product line (*Relieva Ultirra*)

R&D Intern 6/2009 – 6/2010
Genia Technologies, Inc. San Jose, CA

- Used C to program a single board computer to take electrical signals and return with set patterns
- Created prototype DNA readers from start (software design and layout) to finish
- Optimized circuitry using Spice circuit simulators for implementation in DNA readers

R&D Engineer 4/2008 – 2/2009
Boston Scientific – Neurovascular Division Fremont, CA

- Recertified product for new standardization agencies; created tests for next generation product

EDUCATION:

Masters of Science, Engineering – Biomedical Devices Concentration **2011**
San Jose State University, GPA: 3.63 San Jose, CA
Master's project: Automation of intravascular ultrasound catheter production at Boston Scientific

Bachelor of Science, Biological Systems Engineering **2007**
University of California, Davis Davis, CA
Minors: Computer Science, Tech. Business Management (Graduate School of Management), Asian American Studies