

# NELSON POLLARD

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[github](#): npollard

**MISSION:** As a lover of programming in need of industry experience, I am looking for an entry-level software engineering position that will allow as much time be spent writing code as possible.

## SKILLS AND TOOLS

- Comfortable with Java, C, Objective C, Ruby on Rails, Python, Perl
- HTML, CSS, XML, JSON, SQL and NoSQL databases
- TDD with RSpec, JUnit
- Fluent in Git
- Maven, Ant development frameworks
- Develop using Agile methodologies – Scrum, XP, Kanban
- PivotalTracker, Trello for process management
- Proficient with UML and activity flow diagrams

## PROJECTS

- Currently on a team developing a cloud-based Android application to aid first responders to emergency situations
- Carried out research using WEKA and Python to apply machine learning to make short-term wind predictions
- As a team implemented a search engine for Internet of Things (IoT) services – placed services listed on ProgrammableWeb in WSO2 registry and search using Lucene with Java.
- Developed a suite of Perl scripts to generate and manage a Certificate Authority hierarchy for Stagecoach Wireless
- Developed as a team an iOS application for Yaskawa America to assist their salespeople in selecting appropriate motors for potential clients
- Team-based projects on a UNIX-like OS implementing memory allocation, locks and semaphores, and en/decryption on file read/writes.

## EDUCATION

MS in Software Engineering, GPA: 3.86  
Carnegie Mellon Silicon Valley  
Graduated August 2014

BS in Computer Science, GPA: 3.73  
University of California, Santa Cruz  
Graduated June 2013

## BOY SCOUTS

- Eagle Scout through the Boy Scouts of America
- Leadership experience – planning and running trips, meetings; managing groups of 5 – 20 people of varying ages; organized and carried out several service projects exceeding 100 man-hours