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Andrew J. Sinclair

Education

September 2008 - March 2014 (expected) **Computer Science B.S./M.S.**
California Polytechnic State University, San Luis Obispo, CA
Undergraduate GPA: 3.0 Graduate GPA: 3.6

Graduate Coursework: Computer Networks, Natural Language Processing, Computer Architecture, Usability Testing

Skills

Other: Java, Android Development, Python, Git, JIRA

Experience

September 2013 - Present **Software Development Contractor** San Luis Obispo, CA
◦ Implementing interactive tutorial for Android application with 800,000+ downloads

Summer 2013 **SDE Intern** *Amazon Lab126* Cupertino, CA
◦ Android Application Development

Summer 2012 **Software Engineering Intern** *ViaSat Inc.* Carlsbad, CA
◦ Ported I²C bus arbitration module from VxWorks to Linux by replacing timing and serial communication code
◦ Developed component for reporting the health of utility cards to a Network Management System

Summer 2011 **Software Engineering Intern** *ViaSat Inc.* Carlsbad, CA
◦ Implemented Linux-based router to send traffic from virtual terminals to live network operating center
◦ Created modules to simulate network traffic impairments such as: restricted bandwidth, increase latency and jitter, and dropped/fragmented packets

Projects

SoundCloud Song Ranking by Sentiment Classification of User Comments

Acquired user comments via SoundCloud Python API. Preprocessed malformed comments and hand tagged over 200 comments. Classified comment sentiments with a Naïve Bayes Classifier using: a word emotion lexicon and n-gram features. Validated the method in 167 test runs which demonstrated results better than a baseline of random rank selection.