ALEXANDER CHIOU

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SKILLS SUMMARY

Technical
- ⇨ **Fluent in:** C/C++, Java
- ⇨ **Familiar With:** Bash Shell, Python, JavaScript, SQL, XML, HTML/CSS
- ⇨ **Technologies:** Android SDK, Tomcat, Django, JDBC, pymssql, MySQL
- ⇨ **Operating Systems:** Unix/Ubuntu, Mac OS X 10.6, Microsoft Windows XP, 7, 8

Non-Technical
- ⇨ **Foreign Languages:** Spanish, Mandarin

EDUCATION

University of California, Los Angeles   **Expected June 2014**
Bachelor of Science, Computer Science   *Overall GPA: 3.13*

- ⇨ Coursework in Operating Systems, Software Engineering, Programming Languages, Data Structures and Algorithms, Networking, Graphics, Databases, Webapps, Formal Languages and Automata Theory, and Statistics

PROFESSIONAL EXPERIENCE

Shopzilla, Inc.   **June 2013 – Sept 2013**
Software Engineering Intern

- ⇨ Develop new HTML/JavaScript front-end, add to Python backend, update Django architecture, and design new database schema for Shopzilla's internal webapp, InsightsTools. Used pymssql and FreeTDS to interact with database from Python source
- ⇨ Set up new development and production Ubuntu nodes to host InsightsTools and synchronize with DUI/PDUI

Deloitte (Formerly Bersin & Associates)   **July 2012 – Sept 2012**
Software Engineering Intern

- ⇨ Co-wrote project specifications, identified and prototyped solutions like 3rd party software FileOpen and Vitrium
- ⇨ Wrote Perl scripts to parse web logs and crawl the Bersin website for broken links

YouTube/Machinima, Inc.   **Jan 2008 – March 2013**
Channel Manager/Partner

- ⇨ Founded and maintained 3 YouTube channels dedicated to video game content with a Halo slant, eventually partnering with online gaming media distributor, Machinima Inc., to enable them for content monetization
- ⇨ Analyze data from YouTube Analytics to accrue over 55 million video views and 125,000 subscribers

PROJECTS

eBay Auction Crawler

- ⇨ Parsed .xml files containing data from thousands of eBay auctions into .csv's to load into MySQL database
- ⇨ Indexed data with Lucene; indexes used for basic/advanced search functions built for users to traverse data
- ⇨ Basic and advanced search were servlets residing in a Tomcat engine; published as web services with Axis2
- ⇨ Embedded Google Suggest and Map APIs in JavaScript to autocomplete searches and display item location

Borderlands 2 Soundboard (Android Application)

- ⇨ Plays an assortment of over 600 sound bites from the video game Borderlands 2 developed by GearboxSoftware
- ⇨ App loads the audio files' information from .txt files into Android's SQLite database and keeps track of play count as well
- ⇨ Users can browse sound bites by character or at random; browsing is aided by search functionality with auto-complete
- ⇨ Any sound bite can be set as the user's default ringtone
- ⇨ Over 1,000 downloads in less than 2 weeks