Andrew M. Hou

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Work Experience

Textio

Software Development Engineer, July 2018 - Current

* Lead Engineer on many products, including in-app analytics and multiple internal tools. Lead a team of multiple engineers and designers.
* Created standard operating procedures for reporting project statuses across the company.
* Data curation and pipelining, creating a daily pipeline to snapshot the database to collect time-series data.
* Created a daily crawler that aggregates user emails written using the Textio for Outlook plugin in order to measure efficacy.
* Repackaged and refactored document scoring models in order to ease the integration of new model factors.

TUNE, Inc.

Software Development Engineer, May 2015 - June 2018

* HasOffers API. Modernizing development practices, integrating with a continuous-integration pipeline, and improving deployments. Migrating from a puppet-based deployment to docker.
* Push Prepare Pipeline for In-App Marketing, processing and managing millions of personalized push notifications.
* App Store Analytics with a Ruby on Rails application.
* Web crawling and data ingestion of over 2 billion data points daily.
* APIs for exposing data both internally and externally.
* Architecting microservices using Docker, Resque, Sidekiq, Elasticsearch, MySQL, and Ruby.

Amazon.com, Inc.

Software Development Engineer, February 2013 - April 2015

* Developed and distributed Amazon SDKs for Android-based Kindle devices, including Fire Phone, Fire TV, and Fire Tablets.
* Created sample applications exhibiting the use of Amazon APIs for distribution to 3P developers.
* Curated Amazon platform APIs for distribution in Amazon SDKs.
* Created in-house tools for guaranteeing API compatibility and measuring API differentiation.

Cequint, Inc.

Software Development Engineer, August 2012 - January 2013

Software Test Engineer, October 2011 - August 2012

* End to end testing on mobile applications and back-end systems.
* Development of in-house test-automation and test-tooling.
* Developed content-rich multimedia mobile messaging system for carriers to reach customers. Implemented in HTML, CSS, Javascript, and native Android (Java).

Warehouse Rock Gym

Staff Lead, August 2008 - June 2011

* Performed multiple responsibilities in a small business where flexibility and adaptability were required on a daily basis.
* Routesetter. Managed volunteer routesetters, coordinated setting schedule. Set routes for bouldering and sport climbing walls. Performed wall maintenance. USA Climbing Routesetting Level 1 Certification.
* Managed Events calendar, including climbing competitions, birthday parties, and special events.
* Instructor. Provided instruction including belay classes, movement and training technique, and safety exercises.
* General staff. Responsible for member check-in, point of sale, data entry, customer service, and general cleanliness of the facility. Performed cash-out and deposit drop-offs as needed.
* Continued as volunteer routesetter for annual South Sound Pull Down competition until 2013.

Volunteer Experience

Stephen Ministry

Bethany Community Church, February 2018 - Current

* Conduct weekly lay-caregiving visits with individuals for spiritual and emotional needs.
* Act as Group Leader for a team of 5 volunteers.
* Participate in over 50 hours of training in order to become qualified for serving, covering topics such as confidentiality, boundaries, and methods for peer-to-peer support.
* Participate in bimonthly continuing education.

California Balboa Classic

Registration Director, April 2016 - Current

* Registration director for a non-profit Balboa swing dance festival in Newport Beach, CA.
* Managed registration system for all guests, with over 700 attendees.
* Managed all incoming payments, grossing over $140,000.
* Manage a team of 8-10 volunteers, processing timely check-ins over the course of the weekend.

Northwest Balboa Festival

Co-founder, January 2014 - Current

* Co-founder and Organizer of a non-profit Balboa swing dance festival in Seattle, WA.
* Event hosts 150-200 attendees with classes, live music, happy hours.
* Yearly gross of over $10,000, remaining steady over the last 3 years.
* Maintain festival website, run registration system, Emcee during event.
* Manage a team of 8-10 volunteers over the course of the weekend.

Climbing Area Maintenance

* Regularly inspect safety equipment at local climbing areas, replacing it when necessary.

Boy Scouts of America

Member, December 2004 - January 2012

* Eagle Scout, National Eagle Scout Association member
* Order of the Arrow, Vigil member
* Assistant Scoutmaster, Troop 9-266, Pacific Harbors Council

Education

University of Washington

B.A. Mathematics, September 2008 - August 2011

Skills

* Ruby, Python, Docker, Elasticsearch, Java, Android, GNU Make, JavaScript, HTML, CSS. Can work natively in Linux, Mac, and Windows.
* Fluent in Mandarin Chinese and English. Excellent communication and analytical skills.
* Experienced in leading teams between 8-10 people on a regular basis, in both volunteer and professional capacities.
* Swing dance instructor and event organizer.
* Extremely proficient rock climber, with outdoor redpoint grades of up to 5.13 (sport), V8 (boulder), 5.12 (traditional), and Grade VI (big wall).