

NATHANIEL LEO

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EDUCATION

University of California, Davis

Completed June 2016

- **Major:** Bachelor of Science in Computer Science
- **Minor:** Technology Management
- **Coursework:** Data Structures and Algorithms: C++, Programming Languages, Introduction to Database Systems, Algorithm Design and Analysis, Theory of Computation, Computer Architecture, Assembly Language, Linear Algebra, Combinatorics, AP Java Computer Science, Operating Systems and Systems Programming, Software Engineering, Web Programming, Starting New Business Ventures

SKILLS

Languages: Java, MySQL, HTML, CSS, JavaScript, C++

Technologies: SQL, REST, Git, Jira, Agile, Eclipse, Jenkins, Android Studio, React, Unix, Microsoft Office, Salesforce, Marketo, PC Assembly

WORK EXPERIENCE

Software Quality Engineer (Adobe)

November 2016 - Present

- Team lead for Account Based Marketing (ABM) since 2017 Q2, directed backend/UI automation efforts
- Responsible for ABM Account AI and Mintigo partner integration testing: created and optimized a script to insert and update millions of MySQL rows in pursuit of performance measurements; created a unit test script for verifying each phase of the product flow
- Tested ABM end-to-end and wrote automated scenarios (~50) which verify lead-to-account matching, CRM account hierarchies, account scores/percentiles, and Japanese localization support
- Performance stressed ABM hierarchies through load by generating leads and accounts through Rest APIs
- Wrote automation to parse and validate CSV files delivered from Bulk Extract Rest APIs (leads and activities)

Data Warehouse Support Intern (Sacramento County Department of Technology)

February 2016 – June 2016

- Performed extract, transform, and load processes in a data warehousing environment
- Built SSIS packages to incrementally load dimension tables, scheduled them as jobs, and wrote T-SQL queries for QA
- Overhauled team's internal SharePoint site and deployed SSRS reports containing database information

Hardware Support (UC Davis IET)

June 2014 – January 2016

- Worked on a team supporting 650 computers and printers in 21 labs across the campus
- Installed, upgraded, and configured Mac and PC hardware and software

PROJECTS

Virtual Machine

- Created a virtual machine with support for multiple user space preemptive threads to load applications from shared objects
- Added the ability to create, allocate, deallocate, query, and delete memory pools
- Added the ability to mount and manipulate a FAT file system image

Parcel Delivery System Android Application

- Each user of the system has a set of friends and will be at a particular location
- A sender of a parcel can choose a rendezvous location to meet up with the receiver