Grant Lam

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EDUCATION

University of California, Davis **Davis, CA**
Bachelor of Science in Computer Science Expected Graduation March 2016

- **GPA:** 3.6 / 4.0
- **Minor:** Statistics
- **Honors:** Dean's List, Golden Key International Honour Society

EXPERIENCE

Workday **Pleasanton, CA**
Software Development Engineer Intern June 2015 – September 2015

- Created a microservice to estimate the time it takes to process a given request based on historically similar request processing data
- Used Apache Hive to query hundreds of GB of data from Stats Warehouse, joining access logs from different departments
- Wrote R and Java code to build linear regression models, utilized streams API from Java 8 for parallel processing
- Populated Redis database with value/key pairings based on regression model
- Used Spring MVC Framework to create a servlet to allow queries on key/value pairs and deployed on local Jetty server

Micrel Semiconductor **San Jose, CA**
Systems Intern June 2014 – October 2014

- Programmed a Windows Batch Script to automate the presentations for FAB TV based on quarterly aspects
- Assisted in reverse engineering 25 years of Assembly Instructions (AIs) in a variety of formats, including PDFs and Word documents so that they may be added into a SQL database
- Analyzed and categorized AIs and wrote custom scripts to convert them to Excel files, then created packages in SQL Server Management Studio to import these Excel files
- Created reports in SQL Server Reporting Services and deployed them on Micrel's intranet

Computer Science Club Tutoring Committee **Davis, CA**
Tutor February 2014 – April 2015

- Assisted students in "Programming and Problem Solving" with pointers, memory allocation, strings, Makefiles, structures, and recursion in C
- Tutored students in "Algorithm Design and Analysis" with complexity of algorithms, bounds on complexity, analysis methods, searching, sorting, pattern matching, graph algorithms, algorithm design techniques: divide-conquer, greedy, dynamic programming, approx methods, NP-complete

ACADEMIC PROJECTS

Stack Overflow Web Scraper, *Statistical Computing* December 2015
Predicting Phenotypic and Environmental Characteristics, *Machine Learning* November 2015
Where Did The Baker Go?, *Machine Learning* November 2015

SKILLS

Languages: Python, C/C++, Java, R, Bash shell, Windows Batch, SQL, Hive
Tools: Linux, Vim, GDB, Git, R Studio, SQL Server, Eclipse, Spring, Jetty, Redis, Gradle