

Grant Lam

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EDUCATION

University of California, Davis

Davis, CA

Bachelor of Science with Honors in Computer Science

September 2012 – March 2016

- **GPA:** 3.61 / 4.00
- **Minor:** Statistics
- **Additional Honors:** Dean's List, Golden Key International Honour Society

PROJECTS

Online Bang! Card Game, *Personal Project*

December 2015 – Present

- Working on the backend development, such as game design, flow, client-server
- Utilizing Java 8, Lombok, Maven, Spring

Stack Overflow Web Scraper, *Statistical Computing*

December 2015

- Scraped tagged questions, answers, and comments using RCurl and XML packages in R
- Used XPath to query information such as user, id, or date within HTML tags

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, etc in C
- Tutored students in "Algorithm Design and Analysis" with complexity, dynamic programming, etc

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