Myles Scolnick

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EDUCATION

University of California, Berkeley
Double Major: Computer Science & Applied Mathematics **3.82/4.0** (Technical GPA)

Completed Coursework: Linear Algebra and Differential Equations (54), Advanced Linear Algebra (110), Introduction to Abstract Algebra (113), Structure and Interpretation of Computer Programs (61A), Data Structures (61B), Machine Structures (61C), Discrete Mathematics and Probability Theory (70), Introduction to Digital Electronics (42), Efficient Algorithms and Intractable Problems (170), Introduction to Analysis (104), Engineering Entrepreneurship (IEOR190), Artificial Intelligence (188), Engineering Parallel Software (194)
Current Coursework: Computer Security (161), Operating Systems and System Programming (162), Numerical Analysis (128A)

Programming: **Java, Python, C, C++, CSS/HTML, JavaScript**
Tools: **Eclipse, Processing, Hadoop, TeX, Xcode, CMake, OpenCV, OpenMP, SSE Intrinsics**

EXPERIENCE

Palantir Technologies, Palo Alto, CA Summer 2014
Product Quality Engineer Intern

- Developed new management tools to deploy a subset of Palantir software with increased reliability and efficiency
- Gained large project experience, increased Java/Shell skills, as well as team collaboration and other proficiencies
- Created tests plans and implemented back end (BE) automation tests to ensure project stability from code changes

Webb-Warring Lab of Immunology, University of Colorado, Denver Summer 2011
Immunology Intern

- Worked with a team to find a cure for Type 1 Diabetes in mice by examining the roles of auto-reactive T-cells in diabetes
- Studied APC's, CD4's, and V-alpha chains (1-19) to developed a correlation between age of mice and beta-islet configuration
- Analyzed gel electrophoresis samples to separate protein solution in order to determine V-alpha chains present in mice pancreas

PERSONAL PROJECTS

ADX Cryptocurrency Trader Spring 2014
Language: Python

- Built a program to analyze trends in crypto-currency, specifically Dogecoin and Bitcoin, with the ADX technical indicator
- Automatically tracked momentum of currency fluctuations to determine prime opportunity to buy and sell currency
- Implemented exchange's API to configure auto-trading at high velocities

MapReduce Fall 2013
Language: Java, Hadoop, EC2

- Created a MapReduce model to parse through books and return the co-occurrences of words given a chosen word
- Gained experience with Hadoop and scalability by harnessing the power of Amazon's EC2 and parallel processing
- Developed an efficient algorithm to distribute loads among clusters and parallelize data to scale the program to my liking

Dr. Search Spring 2013
Language: Java/Processing

- Developed a fully functional cell counter to detect and count the number of cells in a given image or selection of images
- Created the ability to run through a folder of images and export an Excel spreadsheet with results of 43 images in 2 seconds
- Implemented 'blob-detection' and 'edge-detected' to locate cells, color cells, and count cells without little to no error

EXTRACURRICULAR ACTIVITIES

Cal Men's Club Lacrosse Team Fall 2012 – Present
MCLA D-1 Student Athlete/ Lead Web Designer

- Headed website for a three-month long campaign by the team that had raised over $250,000 in funding

Phi Gamma Delta Fraternity Fall 2012 – Present
Vice President/Treasurer, Scholarship Chair

- Oversaw and budgeted $150,000 and carried out chapter affairs; Promoted scholarship and organized resume workshops

JDRF (Juvenile Diabetes Research Foundation) Summer 2008 – 2011
Team captain for JDRF

- Raised over $10,000 for JDRF's Walk to Cure Diabetes and received the Golden Sneaker Award for excellence in fundraising

Interests: Skiing, Lacrosse, Standup Comedy, Biking || **Website:** http://mscolnick.github.io/ **GitHub:** github.com/mscolnick