

EDUCATION

University of California Berkeley

Class of 2016

Bachelors of Science in Electrical Engineering and Computer Science

CS 162 - Operating Systems

CS 61C - Computer Architecture

CS 70 - Discrete Mathematics

CS 170 - Efficient Algorithms

CS 61B - Data Structures

IEOR 190D - Product Management

EXPERIENCE

Web Software Engineer Intern

June 2014 - August 2014

Gap Inc.

- Implemented a platform to integrate Cleanspeak's profanity filter into the Java Spring Framework of the Reserve In Store application. Please visit: www.gap.com/browse/info.do?cid=96483
- Created a RubyGem to verify that the transformation procedures in Gap's Oracle SQL databases were operating correctly, a vital tool for business intelligence to process discounts and transactions
- Tackled QA stories which included writing unit tests in either Ruby or JUnit, crafting acceptance tests in Cucumber, and using SONAR metrics to find code smells
- Worked under Scrum Methodology to fix huge technical debts from legacy Java/Ruby code so the release for the Reserve In Store Application for Athleta would be stable

Committee Member/Tutor

May 2013 - Present

Eta Kappa Nu (HKN) EECS Honor Society

- Part of an organization which only invites the top 25% of the junior class and the top 33% of the senior class to join
- Taught review sessions for EECS classes such as EE 40 and wrote practice review problems to complement difficult concepts
- Assisted with weekly tutoring office hours for subjects such as Data Structures, Algorithms, Computer Architecture, and Circuits

Technology Consultant

September 2014 - Present

Voyager Consulting

- Working as a programming specialist consultant for a group that only takes 3% of applicants during their selection process
- Involved on a recent project from Twitch.tv and currently examining ways on how Twitch can make a bigger impact on users

Application Developer

September 2014 - Present

Clouture

- Proposed a start-up idea for an application on men's fashion where the app can generate clothing suggestions tailored to users
- Developed a rough structure out of Django for a web app with future plans of integration with Android and iOS

Web Developer

December 2013 - March 2014

FIRMAX Clothing

- Developed an eCommerce site to complement FIRMAX's Amazon Marketplace and deployed on Amazon Web Services
 - Constructed payment system from PayPal, animations from jQuery, and interface from Twitter Bootstrap
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PROJECTS

PintOs Operating System

- Implemented a priority scheduler with donation in C using synchronization primitives or IPCs and a timer for multi-threading
- Currently developing system calls so user processes can access the kernel and perform shell operations

Java Graph Package

- Created a simulation of Maps and Make by developing a modified Dijkstra's to process SCCs and DFS/topsort for dependencies

Electroencephalography

- Created a device with a notch filter, instrumentation amp, and electrodes that measures small electrical activity around the scalp

Computer Architecture

- Built a simulation of a two-stage pipeline CPU in Logisim under the MIPS architecture

GPU Programming

- Optimized the process of multiplying huge matrices using CUDA code and tricks such as loop unrolling
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SKILLS AND MORE

Dropbox Big Haxe: Designed AI in Java for a Tetris Challenge with fellow Berkeley students to defeat Stanford students

Languages: C, Java, Ruby, Python, Cucumber, HTML, CSS, JavaScript, LaTeX, MIPS

Experience In: Git, Linux/Unix, jQuery, Django, Eclipse, ANT, Electric Commander, JIRA, Tomcat