Michael Fahey

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EDUCATION

San Diego State University (SDSU)   May 2015
Bachelor of Science in Computer Science   **GPA: 3.22/4.0**
Dean's List Spring 2012, 2014   Major GPA: 3.35/4.0

SKILLS

Programming Languages: Java, C++ (proficient), Objective-C, C, C# (prior experience)

PROJECTS

Colors HD, (Individual), Objective-C, Independent Project   Summer 2014-Present
- Memory matching game submitted and approved on Apple's App Store
- Continuously update and support multiple iOS versions

SIC/XE disassembler, (Team), C++, SDSU, Systems Programming   Spring 2014
- Parse assembly language source files to generate object files for SIC/XE architecture
- Worked closely with classmates as a team

File Access Control, (Individual), C++, SDSU, Operating Systems   Spring 2014
- Applied preemptive threading to read and write to files
- Managed resources with semaphores
- Implemented ideas from concurrent programming to avoid deadlock

Image Manipulation, (Individual), Java, SDSU, Data Structures   Fall 2013
- Applied stack and queues to read color properties of an image
- Implemented depth-first search and breadth-first search to scan pixels
- Stored data within a linked list for quick insertion and deletion

File System, (Individual), Java, SDSU, Data Structures   Fall 2013
- Simulation of a file system used to store a list of directories, sub-directories and files in sorted order.
- Utilized a modified linked list to keep track of data in sorted order
- Implemented file system traversal through recursion

RELATED COURSES

- Computer Security (CS 574)   • Data Structures (CS 310)
- Operating Systems (CS 570)   • Systems Programming (CS 530)
- Algorithms and Their Analysis (CS 560)   • Computer Architecture (CS 370)
- Database Theory Implementation (CS 514)   • Programming Languages (CS 320)

WORK EXPERIENCE

AppleCare At-Home Advisor   May 2012-May 2013
Apple Inc.   San Diego, CA
- Assisted customers with troubleshooting iPhones, iPads, and iPods
- Used strong analytical skills to solve complex runtime issues
- Listened to and assessed individual needs for the optimal solution