

Kevin Dawkins
1709 Willow Creek Drive
San Jose, CA, 95124

Objective

I am a first-year Master's student, focusing on Operating Systems and application design. I am seeking a part-time job in a high tech company.

Education

University of Arizona, M.S. Computer Science, Fall 2012 – Spring 2014 (expected)

In a thesis-track MS program, focusing on operating systems. I am also a member of a research group exploring emerging methods used in malware. My courses this semester are Advanced Operating Systems, and Advanced Parallel and Distributed Programming.

University of Arizona, B.S. Computer Science, Fall 2008 – Spring 2012

I have completed several programming courses using C, Java, assembly language programming (MIPS architecture), Haskell, Ruby, and Prolog, courses in computer organization and discrete structures, data structures, several mathematics classes and numerous general education courses.

Experience

NetApp, Software Engineering Intern – Project Mars, May 2012 – August 2012

Worked on the Project Mars team around flash technology and the Linux operating system kernel. Researching approaches for implementing drivers in user space while avoiding any performance degradation.

University of Arizona, Undergraduate Researcher, January 2012 – May 2012

Worked with Professor Saumya Debray, I designed an x86 disassembler that converts malware traces into Control Flow Graphs.

University of Arizona, Undergraduate Researcher, August 2011 – December 2011

Worked with Professor Saumya Debray, I researched methods of identifying and defeating mobile malware threats to the Android platform.

NetApp, Software Engineering Intern – Enclosure Firmware, May 2011 – August 2011

My second internship focused on more low-level development. I worked with the enclosure firmware team to enable IO queuing for disk drives. My changes were merged into the production code line and are currently being used by a customer, and will be generally available to all customers soon.

NetApp, Software Engineering Intern – Web Application, May 2010 – May 2011

My project was focused on designing a web application to manage documents for the product development lifecycle (Architectural Specs, Design Specs, Functional Specs, Test Plans, etc.) that now processes thousands of updates per day.