Aran Khanna

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Education

Harvard University   Cambridge, MA
A.B. with anticipated concentration in Computer Science   August 2012 -Present
Relevant coursework: Introduction to Linear Algebra and Real Analysis Fall 2012/Spring 2013,
Introduction to Computer Science Fall 2012, Computer Science: Abstraction and Design Spring 2013,
Data Structures and Algorithms Spring 2013

Lakeside High School   Seattle, WA
Graduated with a GPA of 3.9   August 2008-June 2012
AP Scholar with Distinction, National Merit Finalist
Online Coursework: Stanford University's Introduction to Programming Methodology, MIT's Introduction to Algorithms

Technical Skills

Programming: C, Objective C (including iOS), C# (including .NET), OCaml, Advanced Java (including Android development), Python (including working with Django framework), PHP, Javascript (including working with AJAX, JQuery, and Google Script), SQL, HTML, XML, CSS
Software Skills: Linux, Git, Source Depot, Microsoft SQL Server, Microsoft Excel, Power Point, Access
Language: Proficient in Spanish

Independent Projects

Built a sonic barcode generating website coupled with an iOS app barcode reader for Hack MIT, with a team of 2 others
Developed a web app to merge and keep in sync task lists across multiple services
Built an AI to play a Tetris variant for Harvard Dropbox Challenge, with a team of 2 others.
Independently manage a personal stock portfolio, using the TD Ameritrade platform

Related Experience

Microsoft Corporation   Seattle, WA
Software Development Intern   June 2013-August 2013
Interned in the Windows Azure cloud services group, with the Fabric Fundamentals Team. Worked on an individual project to develop a distributed data-mining and classification engine to automatically analyze and bucket the vast volumes of operational data coming from the entire network. Additionally developed a deep understanding of distributed systems management, and engineering practices.

The Harvard Crimson   Cambridge, MA
Circulation and Marketing Associate   September 2012-Present
Working with Harvard's only daily newspaper to manage and build out the brand alongside circulation networks. Primarily working to improve the paper's online presence, developing for and maintaining thecrimson.com, which is based in the Django framework and regularly receives over one million hits per month. Additionally managed a team to build an online photo store for the crimson.

Harvard College Consulting Group   Cambridge, MA
Analyst   September 2013-Present
Worked on a monetization and marketing case for a popular blogging website, with a case team of six, to generate a comprehensive report of potential avenues for increasing subscriptions to the site and total revenue.

Targeted Growth Incorporated   Seattle, WA
Research Intern   June 2011-August 2011
Interned at a biotech startup working to genetically engineer a strain of cyanobacteria that could sustainably produce carbon neutral biofuels. Worked on an individual research project, under the guidance of Dr. Brett Kaiser, to elucidate the fundamental components of environmental stress responses in blue-green algae.

Activities and Leadership Experience

Harvard Computing Society, Member   October 2012-Present

Journalism   August 2009-June 2012
2011-2012 Managing Editor of Lakeside Newspaper
Elected to lead a team of 30 people in constructing and publishing a monthly school newspaper.
Worked with a small tech team on creating a Wordpress based website for the paper.

Rowing   February 2009-December 2012
2011-2012 Captain of Lakeside Varsity Crew Team

Elected to lead a team of 40 rowers through both fall and spring seasons. Dedicated 15 hours a week to Harvard lightweight crew in the fall season.

Volunteer Service

Seattle Children's Hospital, Volunteer   Seattle, WA
                                                          March 2010-August 2012

Lakeside Global Service Learning   Sichuan Province, People's Republic of China
Volunteer   June 2010-July 2010
Volunteered to teach English to children in rural China and help with regional rebuilding efforts in the wake
of the Sichuan earthquake.