

Jonah Cohen

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US Citizen

1018 E Shelby St. Seattle, WA 98102 206-323-7368

Objective

Summer internship doing innovative software design and programming

Education

Candidate for PhD in Computer Science from the University of Washington. GPA: 3.85.

BS in Computer Science from Harvey Mudd College, September 2005. GPA overall: 3.75; GPA in major: 3.97.

Programming Knowledge

C/C++, C#, Java, Python, Perl, PHP, SQL, SML, Prolog, JavaScript, XML, HTML, CSS, Z80 assembly

Work Experience

Software Design Engineer for Amazon.com. Summer 2005

Wrote large portions of production code for Amapedia, Wikipedia-inspired product website, using PHP and MySQL. Designed and implemented synonym-matching system for item types using Java and PostgreSQL.

Software Design Engineer for Microsoft Corporation. Summer 2004

Used C# and XML to add features to help & support system for Windows Vista: state probe system for dynamic help content, and web service client for online search queries.

Project manager and member of Harvey Mudd College CS Clinic Project. September 2003 – May 2004

Reengineered military launch countdown system using Python, XML, HTTP, and multicast. Manager in fall: tasked and supervised teammates, liaison with advisor and sponsor. Only manager still in junior year.

Intern for Sandia National Laboratories. Summer 2003

Used C++ and sockets to construct linear algebra library proxy classes which allow remote invocation of linear algebra operations by abstract numerical algorithms.

Student in Software Development at Harvey Mudd College. January 2003 – May 2003

Created 1st-person shooter and 3D golf demo s using OpenGL and C++. <http://www.cs.hmc.edu/~jcohen/cs121/>

Software developer for Booz Allen Hamilton. Summer 2002, 2001, 2000

Used PL/SQL, HTML, JavaScript, and CSS to help construct information and resource management website (2002). Used Java Swing components to create GUI for Roadmap applet (2001). Wrote HP-UX Java application to do interfacing and processing between IBM MQSeries messages and Oracle 8i PL/SQL procedures (2000).

Clinic consultant for Harvey Mudd College Math Department. April 2002

Developed GUI using C++ and MFC for Northrop Grumman project "Multiple Sensor Analysis."
Wrote learning process using C++ for Fair Isaac project "Optimizing Dynamic Online Surveys."

Software developer for Texas Instruments, Inc. June 2001 – November 2001

Designed and implemented "Decimal Defender" TI-83+ space-themed math game in Z80 assembly language.

Developer and system administrator for Yorktown High School. August 2000 – June 2001

Created and maintained school-wide web-based attendance system using Perl and PostgreSQL via CGI.

Web developer for Arlington County Government. Summer 1999

Used ASP, VBScript, and Access to create news release system: <http://www.arlingtonva.us/NewsReleases/>

Awards and Recognition

CS Class of '94 Award, CS Department Honors, 2005

Dean's List, Fall 2004, Spring 2004, Fall 2003, Spring 2002

ACM Southern California Regional Programming Contest

Cal Poly Pomona Programming Contest

UMD High School Programming Contest

National Collegiate Formation Ballroom Dance Champion, 2003

CS Clinic Award, 2004

3rd place, 2004; 2nd place, 2003; 7th place, 2002

3rd place, 2003; 2nd place, 2002

6th place, 2001; 5th place, 2000; 4th place, 1999