



# AARON MARCUSE-KUBITZA

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## ► SKILLS

Languages: Java, C#, C++, C, Python, PHP, Perl, SQL, JavaScript, XML, HTML, CSS, Visual Basic, MATLAB, shell scripts, make, x86 assembly, AspectJ, Scheme, Prolog

Tools: ASP.NET, jQuery, MySQL, PostgreSQL, SQL Server, svn, ant, Eclipse, Dreamweaver, JIRA, SolidWorks

## ► EXPERIENCE

**Scientific Database Developer**, NCEAS, UC Santa Barbara, Santa Barbara, CA 10/2011-present  
Transform and aggregate data for Botanical Information and Ecology Network using Python and XML

**Student Web Developer**, Olin College of Engineering, Needham, MA: www.olin.edu 4/2009-present  
Create event registration forms such as <https://www.olin.edu/pgp/rsvp.aspx> in ASP.NET C#

**Software Engineer**, Tagged, San Francisco, CA: www.tagged.com 6-8/2011  
Developed collaborative online games for social networking site using jQuery, JavaScript, and PHP

**Automation Engineer and Engineering Intern**, Black Duck Software, Waltham, MA  
Created AJAX and Perl tools for PostgreSQL database of open source projects 5-8/2009, 7-10/2010  
Created load test recording suite using JMeter, AspectJ, and JavaBeans 8-12/2009

**Web Page Developer**, Matt Neal, Olin College of Engineering, Needham, MA 2/2009-5/2010  
Set up Open Journal Systems journal publishing system for use in Olin courses

**Web Assistant**, Poverty Action Lab, Massachusetts Institute of Technology, Cambridge, MA 3-8/2009  
Created Java applets for online statistics course and demographic data visualization tool using JFreeChart

**Web Programmer**, Craig Adkins, Claremont, CA: www.americandysphagianetwork.org 12/2007-8/2008

**Software Engineering Intern**, Fraunhofer FIRST, Berlin, Germany 5-8/2008  
Created and tested Java simulation of heart blood pump

**Web Programmer**, Associated Students of Harvey Mudd College, Claremont, CA 11/2007-6/2008  
Created MySQL-based online voting system for student body elections at <https://www.hmc.edu/ashmc/vote/>

**Software Engineering Intern**, Stonestreet One, Carlsbad, CA 1-2/2008  
Tested and debugged Wireless USB drivers in C++; Created interpreter for software release scripts in Perl

**Student Webmaster**, Harvey Mudd College, Claremont, CA: www.hmc.edu 9/2006-12/2007  
Created faculty/staff LDAP directory search page at <http://www.hmc.edu/ldap/> using JavaScript

**Grader/Tutor**, Computer Science Department, Harvey Mudd College, Claremont, CA 1-12/2007  
Graded and tutored students for Computer Science courses on a weekly basis

**Web Programming Intern**, The Brecht Forum, New York, NY: www.brechtforum.org 8/2007  
Created automated e-mail newsletter of Brecht Forum events in PHP Drupal content management system

**Lead Programmer**, FIRST Robotics Team 1717, Goleta, CA 1-4/2006  
Programmed robot's drivetrain, camera, and ball collection and shooting mechanisms in C

**Webmaster**, Dos Pueblos Engineering Academy, Goleta, CA: www.dpengineering.org 9/2005-6/2006

**Webmaster**, West Campus Point Homeowners' Assn., Goleta, CA: www.westcampuspoint.net 7/2004-8/2005

**Webmaster**, Memory to Action, Santa Barbara, CA: www.memorytoaction.org 3/2002-9/2003

## ► EDUCATION

**Santa Barbara City College**, Santa Barbara, CA: 3.89 GPA, Computer Science 9/2004-6/2006, 1/2011-5/2012  
Network Security, Assembly Language Programming, Mechanics, Income Tax

**Olin College of Engineering**, Needham, MA: 3.53 GPA, Electrical and Computer Engineering 8/2008-5/2010  
Software Design, Modeling and Simulation, Modeling and Control, Electricity and Magnetism, Design Nature

**Harvey Mudd College**, Claremont, CA: 3.09 GPA, Engineering; study abroad, Berlin 3-8/2008 8/2006-5/2008  
Networks and Distributed Systems, RoboCup, Data Structures, Principles of Comp Sci, Intro to Engineering