

Brian Michael Oppenheim

Permanent Address

(Removed for public web posting)

School Address

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Objective

Obtain a career allowing me to utilize and enrich my computer science and mathematics skills as well as my business, professional, and leadership abilities.

Education

California Polytechnic State University - San Luis Obispo, CA

Blended Bachelors/Masters of Science in Computer Science

253.5 Quarter Units Earned (Graduate Class Standing)

University Honors Program

Expected to Graduate with: Honors, Summa Cum Laude

Fall Quarter 2005 – Present

Undergraduate Minor in Mathematics

Fifth-Year Student – Expected Graduation **June 2010**

Winter Quarter 2006 – Present

Collegiate GPA = 3.89	Cal Poly Undergraduate GPA = 3.87	Cal Poly Graduate GPA = 4.00	Major GPA = 3.99
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Agoura High School – Agoura Hills, CA

3.95 GPA

September 2001 - June 2005

Work Experience

Google, Inc. – *Software Engineer Intern* – Santa Monica, CA

June 2008 – September 2008, June 2009 – September 2009

2008 Project: AdSense for Domains, 2009 Project: AdWords Front End

Cal Poly Admissions, Recruitment, and Financial Aid – *Web Developer*

February 2006 – June 2008

I worked on dynamic web development projects for the Admissions Office as well as accessible web design.

Agoura High School – *Webmaster*

September 2001 – June 2008

As a school service/volunteer project I was the webmaster of my high school's website for the duration of my four years as a student at Agoura High. Upon graduation, the administration hired me to continue maintaining the school's site.

Research and Other Projects

Masters Thesis: A Power-Efficiency Analysis of Scheduling Algorithms

Fall 2009 – Spring 2010

Visualized Decision Making and Planning

Winter Quarter 2008 – Present

Security of Professor Grading Systems and Use of `chroot` for Sandboxing

Winter Quarter 2009 – Spring Quarter 2009

Anomaly-Based Systems Analysis Using Seasonal Holt-Winters

Spring Quarter 2008

Test Generation/Taking/Grading Program

Fall Quarter 2007 – Winter Quarter 2008

AJAX Class Scheduler Using the Google Web Toolkit

Spring Quarter 2007

Programming Languages

Very Fluent: Java, Python, C, Shell Scripts, HTML, JavaScript

Familiar With: ML, C++, PHP, VB, Perl, Erlang

Coursework Highlights

Systems Programming; Algorithms; Methods of Proof; Programming Languages I/II; Abstract Algebra I/II; Tech. Writing for Engineers; Number Theory Statistics for Engineers/Scientists; Software Engineering I/II; Theory of Computation I/II; Operating Systems (Undergrad, Grad); Database Implementation Computer Security (Undergrad, Grad); Concurrent Programming; Knowledge Discovery from Data; Computer Architecture (Undergrad, Grad)

Leadership

Cal Poly Association of Computing Machinery – *Community Outreach Officer*

September 2009 – June 2010

Cal Poly Computer Science Student Fee Allocation Committee – *Vice Chair*

September 2009 – June 2010

Cal Poly Engineering Student Council – CSC Liaison

September 2009 – June 2010

Google Campus Ambassadors – Lead Ambassador for Cal Poly

September 2009 – June 2010

Inter-Hall Council/Housing Leadership

September 2005 – June 2007

I worked with Housing staff to advocate for the concerns of Cal Poly's 3,600 on-campus residents.

High School Activities

Student Council - *Commissioner of Technology*

June 2003 – June 2005

Athletics – *Cross Country, Track and Field*

Team Captain – Senior Year

January 2002 – May 2005

Honors and Awards

Dean's Honor List

All Undergraduate Quarters (equivalent GPA during all Graduate Quarters)

Golden 'A' Award

June 2005

An award presented to faculty members and sometimes students at graduation for distinguished service to the school.