

## KEY QUALIFICATIONS

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- Professional software engineer / computer programmer with 30 years experience.
- Volunteer instructor with Girls Who Code.
- International negotiator, including in Europe, Asia, the Middle East and Mexico.
- Public speaker and author.
- Mentor and team leader.
- Fluent French speaker: Primary daily language 8/91 - 7/92, maintained since then.

## EDUCATION

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Master of Science, Computer Science, UC Berkeley, 1988-1989  
GPA 3.9

Bachelor of Science, Computer Engineering, UCLA, 1982-1987  
Junior year at University of London, Westfield College  
Two years of French  
Phi Beta Kappa, *Summa cum laude*, GPA 3.9

## VOLUNTEER EXPERIENCE

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**Girls Who Code** Irvine, CA  
*Computer Programming Instructor, 2 hours/week* *3/2016 - 4/2017 (planned)*

- 80 hours total teaching beginning computer programming to 20 middle school girls. (18 hours completed as of May 31 2016).
- Planning lessons, arranging guest speakers.

**EnCorps Fellow** Santa Ana, CA  
*STEM High School Volunteer, 1 hour/week* *9/2015 - 6/2016*

- 20 total hours volunteering and observing 9th grade Engineering class.
- 20 hours training/seminars.

**Video the Vote** Los Angeles, CA  
*Voting Irregularity Inspector, 10 hours over one day* 10/2006

- Investigated suspected voting irregularities in disadvantaged communities.
- Collected videotape evidence and reports from voters.
- Represented Video the Vote on CNN (<http://jovial.com/vtv2006/>).

**Project Hope** Nablus, West Bank  
*English teacher, Videographer. Full time, 8 weeks* Summer 2003, Winter 2005

- Taught English classes to Palestinian youth (60 hours teaching classes of 20 students).
- Created group's first web site.
- Assisted director with organization and planning.
- Produced recruitment/fundraising video (<https://youtu.be/BfhPOuBygh0>).

## PROFESSIONAL EXPERIENCE

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**Samsung** Irvine, CA  
*Director, DTV Technology and Standards (full-time)* 10/2012 - present

- Represent Samsung to international standards bodies.
- HDMI Forum Board of Directors.
- Launched group defining streaming TV platform with Microsoft and Akamai.

**Irdeto** San Francisco, CA  
*Senior Software Engineer (full-time)* 11/2011 - 9/2012

- Development of content protection software for Fox Blu-ray titles.

**Google** Santa Monica, CA  
*Software Engineer (full-time)* 9/2010 - 11/2011

- Android application and server development (Java and C++).
- Primary inventor for three patents.

**Disney Studios** Burbank, CA  
*Software Systems Architect (full-time)* 7/2009 - 6/2010

- Developed Blu-ray internet connected multimedia applications and games.
- Developed Disney's architecture for Blu-ray Disc authoring.
- Created software for Blu-ray disc used to calibrate TV sets.

**Sun Microsystems**

Cupertino and Los Angeles, CA

*Senior Staff Software Engineer (full-time)*

12/1996 - 7/2009

- Created **hdcookbook.com** open source Blu-ray Java toolkit. Used by Netflix, Disney, and other US, Japanese and European disc authors.
- Mentored and lead four-person Blu-ray open source team, split between L.A., San Francisco and India.
- Co-authored the book “**Programming HD DVD and Blu-ray disc,**” published by McGraw-Hill.
- Lead Sun Microsystem’s standardization of interactive technologies for Blu-ray and other TV platforms in Europe, the US and Asia.
- Chaired a Geneva-based working group.
- Developed and patented software tools used today for Java and Android.
- Developed portions of the HotJava web browser (1996-1999).
- Frequent public speaker.

**Celtis Technologies**

Vélizy and Paris, France

*Consulting Software Engineer (full-time)*

8/1991 - 7/1992

- Consultant to France Telecom.
- Built user interface used by Électricité de France to design nuclear power plants.
- Working language: French.

**Promotions Distributor Services, Corp.**

Los Angeles

*MIS Manager (full- and part-time)*

1985 - 1991, 1992 - 1994

- Created and managed computer system to automate business processes.
- System ran outbound telemarketing, fulfillment, billing, banking and accounting.

**OTHER SKILLS**

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- Regularly commute by bicycle (15 miles round-trip). Hike, play ice hockey.
- Have lived and traveled in predominantly Muslim areas, including during Ramadan.
- In addition to speaking English and French, have taken some Arabic, Spanish, Italian and Japanese.