

William Foote
<http://jovial.com/>

KEY QUALIFICATIONS

- 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.
- Committed to diversity, inclusiveness and equity.

EDUCATION

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
Phi Beta Kappa, Summa cum laude, GPA 3.9

TEACHING AND PUBLIC SPEAKING EXPERIENCE

- Volunteer instructor with **Girls Who Code**
- Teacher training with Peace Corps.
 - Taught electronics sample lesson to middle-school students (in French)
- STEM High School volunteer with **EnCorps**
 - Guest teacher at STEM Academy of Hollywood (*Planned, start in November 2017*)
 - Volunteered in and observed 9th grade Engineering class
- Public Speaking at Technical Conferences
 - Took public speaking training
 - JavaOne talks in 1997, 1998, 2000, 2005, 2008, 2009, and 2010
 - Audience size ranged from 40 to upwards of 2000
 - Subjects included memory heap analysis, Java TV and multimedia
- Volunteer English teacher with **Project Hope**

PROFESSIONAL EXPERIENCE

- Peace Corps** Burkina Faso, Africa
Education Sector Trainee 6/2017 - 7/2017
- Trained to be a secondary school Physics/Chemistry teacher
 - Medically separated due to vehicular accident
- Samsung** Irvine, CA
Director, DTV Technology and Standards 10/2012 - 3/2016
- Represented 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 11/2011 - 9/2012
- Development of content protection software for Fox Blu-ray titles.
- Google** Santa Monica, CA
Software Engineer 9/2010 - 11/2011
- Android application and server development (Java and C++).
 - Primary inventor for three patents.
- Disney Studios** Burbank, CA
Software Systems Architect 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 Engineer 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
Consulting Software Engineer

Vélizy and Paris, France
8/1991 - 7/1992

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

VOLUNTEER EXPERIENCE

Girls Who Code

Irvine, CA

Computer Programming Instructor, 2 hours/week

3/2016 - 4/2017

- 60 hours total teaching beginning computer programming to 20 middle school girls.
- Planning lessons, arranging guest speakers

EnCorps Fellow

Los Angeles and Santa Ana, CA

STEM High School Volunteer, 1 hour/week

9/2015 – 6/2016, 9/2017 - present

- 20 total hours volunteering and observing 9th grade Engineering class.
- 20 hours training/seminars.
- Planning to guest teach at Hollywood STEM Academy starting in November 2017

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/fund raising video.

OTHER

- Avid bicyclist.
- In addition to speaking English and French, have taken some Arabic, Spanish, Italian and Japanese.
- My mother began programming in 1951, and my father in 1955. They met at work, likely over the programming language JOVIAL.