

**William Foote**  
<https://bill.jovial.com>

## KEY QUALIFICATIONS

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- Professional software engineer / computer programmer with 30 years experience.
  - Extensive Java and Android development experience.
  - Created open source community used to develop Blu-ray disc software.
  - Invented heap analysis tools and techniques for the Java VM.
  - Systems architecture and design using OO methodologies and UML.
- Computer Science teaching experience at undergrad level.
- International negotiator, including in Europe, Asia, the Middle East and Mexico.
- Public speaker and author.
- Mentor and team leader.

## 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  
Phi Beta Kappa, Summa cum laude, GPA 3.9

## PROFESSIONAL EXPERIENCE

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### **JOGL Open COVID19 Initiative**

3/2020 – Present

- Volunteer with <https://app.jogl.io/program/opencovid19>
- Developed Flutter/Android app to be the graphical display for an emergency ventilator – <https://breezy-display.jovial.com>
- Consulting for the COVID-19 Museum, a participative collection of cultural artifacts being organized out of the University of Paris.

### **Peace Corps**

9-10/2019, 3/2020

- Forced to leave Senegal due to diet/acid reflux in October.
- Accepted to The Philippines to build information system for high school.
- Posting in March 2020 canceled due to COVID-19.

**California Polytechnic State University**  
*Computer Science Lecturer (Full Time)*

San Luis Obispo, CA  
4/2018 – 6/2019

- Santa Monica College** Santa Monica, CA  
*Computer Science Lecturer* 1/2018 – 2/2018
- 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 vehicle 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 that developed television technology.
  - Developed and patented software tools used today for Java and Android.
  - Developed portions of the HotJava web browser (1996-1999).
  - Frequent public speaker, including JavaOne in 1997, 1998, 2000, 2005, 2008, 2009, and 2010

**Medicus Systems***Software Engineer*

Alameda, CA

1993 – 1995

- Developed Windows 3.1 software for Medicare billing (C++ and Smalltalk)

**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.

**Promotions Distributor Services***MIS Director / Computer Programmer*

Los Angeles, CA

1985 – 1993 (full time, part time and consulting)

- Developed and maintained mailing list system, inbound telemarketing system and fulfillment system.
- Technologies: Informix SQL database system, C, Unix.
- Mentored my replacement.

**OTHER**

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- Volunteered with voter protection hotline, get out the vote efforts, and phone canvassing for 2020 election.
- Avid bicyclist – toured 2000 km in France, Switzerland and Germany in the summer of 2019.
- In addition to speaking English and French, have taken some Arabic, Spanish, Italian and Japanese.
- Took French classes in Strasbourg at European level B2 in preparation for Burkina Faso. (This level corresponds to 600 cumulative study hours – <https://en.wikipedia.org/wiki/CEFR>).
- First public domain software was an amateur radio satellite tracking program for the Apple ][, written when I was 14.
- My mother began programming computers in 1951, and my father in 1955.