

Wolf Paulus



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<https://wolfpaulus.com>

Sedona, Arizona

I am an internationally experienced technologist, accelerating the discovery and adoption of emerging technologies. Focusing on conversational technologies far beyond voice or conversational user interfaces (VUI/CUI) and natural language understanding, I'm currently exploring how to detect bias and how to automate empathy using sentiment analysis, speech synthesis, and empathetic dialogue design to match customers' emotions, to provide best-in-class experiences.

CURRENT EXPERIENCE

Principal Software Engineer

Intuit, Inc. (a Business and Financial Software Company)

📅 since October 2011

📍 Mountain View, California

At Intuit I accelerate the discovery and adoption of emerging technologies across the cooperation. Currently, I'm exploring how to detect bias and how to automate empathy using sentiment analysis, speech synthesis, and empathetic dialogue design, to match customers' emotions.

Examples: <https://wolfpaulus.com/videos/>

PROUD OF

I frequently speak at conferences and user groups on topics ranging from Embedded/Mobile Technology to Emotional Prosody and Voice and Conversational User Interfaces.



Adjunct Computer Science Professor

Embry-Riddle Aeronautical University

📅 since July 2020

📍 Prescott, Arizona

Embry-Riddle is the largest accredited university system specializing in aviation and aerospace.

Changing the world one life at a time, I teach an intermediate class in the Computer Science department.

I worked in St. Petersburg, **Russia**, leading a team of Russian engineers, creating chatbots, in Frankfurt **Germany**, leading Deutsche Bank's development of an electronic banking and security trading app, led software component development contracted from Aten Development in Lyon, **France**, and worked closely with HP's mobile development team in Porto Alegre, **Brazil**.

Advisory Committee Member at UCI

University of California Irvine (a Public Research University)

📅 since September 2011

📍 Irvine, California

At UCI I advice the board, responsible for the Mobile Application Development Certificate Program. Together we ensure that participants gain the skills required to create advanced mobile applications and also acquire the knowledge needed, to stay ahead of the technology curve.

[in https://www.linkedin.com/in/wolfpaulus](https://www.linkedin.com/in/wolfpaulus)

[github https://github.com/wolfpaulus](https://github.com/wolfpaulus)

PAST EXPERIENCE

Adjunct Computer Science Professor

Grossmont College (a Community and Junior College)

📅 Aug 2017 - Jun 2020

📍 El Cajon, California

Grossmont College serves a diverse learning community of 19,000 full- and part-time students per semester.

At GCCCD I taught intermediate classes, specifically Java and Python, in the Computer Science department.

Feedback: [Rate My Professors](#)

Sr. Architect - Mobile Software Development

Hewlett-Packard (a multinational information technology company)

📅 Jul 2010 - Oct 2011

📍 San Diego, California

At HP I provided technical leadership, architected and led the development of a mobile print SDK and print subsystems on the leading smartphone platforms. I also led the development of mobile software applications for the Android platform, to deliver a compelling mobile print experience, printing photos, emails, web pages, and Office document.

Distinguished Member of Technical Staff

Motorola Mobility (a multinational telecommunications company)

📅 Feb 2010 - Jul 2010

📍 Sunnyvale, California

At Moto I worked on the Google Android platform, primarily addressing the UI framework, adding key differentiators, by developing / integrating technologies like animation framework components and UI embellishments.

EDUCATION

Masters in Computer Science GPA: 4.0 / 4.0

University of Paderborn

📅 1984 - 1989

📍 Paderborn, Germany

Master's Thesis:

Parallel Algorithms for Computational Geometry

- University of Paderborn's computer science program has been ranked among the top 3 programs in the most comprehensive ranking of German universities by the Centre for Higher Education Development.
- Education Evaluators International, Inc. has evaluated these studies as equivalent in level and purpose to a Master of Science in Computer Science awarded by Universities in the U.S.

LANGUAGES

- English
- German

PROG. LANG

- Java
- Python
- JavaScript
- C/C++

MARKUP

- AIML
- GrXML
- SSML
- EmotionML
- SwixML

FAV.DEV.TOOLS

- IntelliJ-IDEA
- PyCharm
- Gradle
- GIT
- Tomcat
- Docker
- AWS Lambda
- AWS Fargate

CERTIFICATION

Android Developer

Nanodegree

📅 2016 Udacity

Sun Certified Web

Component Dev

📅 2006 Sun Micro

Certificate Embedded

Computer Software

📅 2002-2004 UCSD

Sun Certified Java

Programmer

📅 2002 Sun Micro

PATENTS

1. US 10394885
2. US 10387173
3. US 10210580
4. US 10169827
5. US 9930102
6. US 9785534
7. US 9048963