

Wolf Paulus



(928) 278-0719 wolf@paulus.com https://wolfpaulus.com Sedona, Arizona

I am an internationally experienced technologist and innovator, focusing on conversational technologies, and accelerate the discovery and adoption of emerging technologies. Far beyond voice and conversational user interfaces (VUI/CUI), speech recognition and synthesis, and natural language understanding, I currently explore 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.

EXPERIENCE

Principal Software Engineer

Intuit, Inc. (a Business and Financial Software Company)
📅 since Oct 2011 📍 Mountain View, California

At Intuit, I accelerate the discovery and adoption of emerging technologies across the cooperation. Currently, I explore 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.



Advisory Committee Member at UCI

University of California Irvine (a Public Research University)
📅 since Sept 2011 📍 Irvine, California

At UCI, I advise the board, responsible for the Mobile Application Development Certificate Program, which provides participants with the skills required to create advanced applications for major mobile devices and supplies the knowledge needed, to stay ahead of the technology curve.

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**.

Adjunct Computer Science Professor

Grossmont College (a Community and Junior College)
📅 since Aug 2017 📍 El Cajon, California

Changing the world one life at a time, I teach Python, Java, and Algorithm / Data Structure courses. Grossmont College serves a diverse learning community of 19,000 full- and part-time students per semester.

<https://www.linkedin.com/in/wolfpaulus>

<https://github.com/wolfpaulus>

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 various smartphone platforms. I 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 documents, all from smartphone devices.

Distinguished Member of Technical Staff

Motorola Mobility (a multinational telecommunications company)

📅 Feb 2010 - Jul 2010

📍 Sunnyvale, California

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

Embedded System Software Architect

PatientSafe Solutions Inc (hospital and health communications company)

📅 Nov 2008 - Feb 2010

📍 San Diego, California

- Upgraded the embedded device's OS from a proprietary Linux distribution to OpenWrt, an optimized OS for embedded connected devices.
- Designed APIs and data structures to access native platform capabilities and events.
- Architected a new binary web service protocol, allowing limited connected devices to use web services.

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

- Android
- Java
- Python
- C/C++
- PHP
- JavaScript

MARKUP

- AIML
- GrXML
- SSML
- EmotionML
- SwixML

FAV.DEV.TOOLS

- IntelliJ-IDEA
- Gradle
- GIT
- Tomcat
- 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