Curriculum Vita – Michael Stahl

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Position
System SW Validation Principal Engineer at Intel

Experience
1990 – current: Intel Israel (74) LTD, ISRAEL

- 2022 – Current: **System SW Validation Architect / Regulatory owner** at CareAI – a team in Intel's Incubation and Disruptive Innovation (IDI) group. Define SW development and validation processes and methodologies. Leading the work to achieve medical regulatory approvals (FDA, EU, India)

- 2020 – 2021: **SW Security Validation Architect** at SFIP – a secure engine FW development group. Define processes and methodologies, develop tools, conduct training and deploy processes to improve the SW security validation practices of the validation organization.

- 2018 – 2019: **SW Validation Architect** at SFIP. Staff-level engineering position, defining SW test techniques and methodologies for the department.

- 2017 – 2018: **Functional Safety Engineer**. Drive development and test methodologies and processes to comply with automotive standards (ISO 26262 and ASPICE) at SFIP.

- 2000 – 2017: **Senior Validation Engineer / SW Validation Architect** role in several development organizations, working with various technologies: Cable modem, WiFi, Smart TVs, Graphics drivers, 3D cameras and computer vision. Wide experience with development of testing methodologies, defining automation strategies, requirements definition and management, tool selection, test planning, bug management, SW test theory.

- 1990-2000: Various positions in Intel's Fab 8, Jerusalem as **Product Engineer** and **Senior Test Engineer**, including year-long position at Intel's test plant in Arizona, USA.

1982-1989: Electrician / Electrical Contractor: Planning and Installation of electrical systems in residential homes.

Patents

1. **Device, System, And Method Of Coordinating Wireless Connections**
   USA Patent 7,865,196 - Issued January 4, 2011 (w/ Shlomo Avital)

2. **Device, System And Method For Data Transfer Optimization**
   USA Patent 7,567,559 - Issued July 28, 2009 (w/ Tair Shapiro, Kevin Murphy)

3. **Method and apparatus for improving the upstream data transfer rate for a cable modem**
   USA Patent 7,668,098 - Issued Feb 23, 2010 (w/ Tair Shapiro, Kevin Murphy)

4. **Wireless network awareness in appliances**
   USA Patent 8,121,545 - Issued Dec 15, 2007 (sole inventor)

5. **Network controller Wake On Communications request**
   USA Patent 8,238,279 - Issued Aug 7, 2012 (sole inventor)

6. **Techniques for Adjusting a Projected Image**
   USA Patent 9,152,022 - Issued Aug 7, 2012 (sole inventor)

Teaching experience

Academic: Software testing: 2-point course (Hebrew University CS faculty), since 2010.

Professional:
- Regular delivery of courses in Software testing basics, test design and work methodologies, Software requirements – internally at Intel. Since 2008 (when I started to count…) delivered ~150 training sessions to more than 3000 attendees.
- Frequent speaker in Software Test conferences in Israel and around the world.

Papers / Publications

My personal website: www.testprincipia.com .
Articles and presentations published in international conferences and magazines.

Looking for Trouble
A column on SW test topics in Testing World - a Hebrew-language quarterly. You can see most posts on my website.

Stickyminds.com
A popular website for SW testers. Published 23 articles to date

Education

BSc in Electrical and Electronic Engineering, Ben Gurion University in the Negev, Be'er Sheva, Israel. Graduated *Cum Laude*

BA-level courses in **Computer-Science**, Diploma, Open University.

Certified Electrical Technician 3x250A

Programming languages, equipment

- **Programming languages and packages**: Working knowledge of C, C++, OpenCV, Python.
- **OS**: Windows, Linux
- **Lab and Network equipment:** Working knowledge in use of Multimeter, Oscilloscope, Spectrum analyzer, Signal generator, traffic generators, sniffers, access points etc.

General

- Technical lead of an Intel Incubation team developing an **image authenticity verification** product (Feb-Apr 2020).
- Executive board-member in the Israel Test Certification Board (ITCB). Chair of the ITCB Advisory Board.
- ISTQB liaison to the ISO 29119 (Software testing) working group
- Up to date in theory of **SW Testing**. ISTQB Certified (Advanced Level – Management, Test Analyst, Technical Test Analyst; Expert level: Test Automation; Agile tester).
- Technical committee member, QA&Test – a bi-annual test conference in Spain.
- Board of Directors member in Azrieli College of Engineering in Jerusalem (2018-2022); Board of Trustees member (current)

Languages

- Hebrew: Mother-tongue
- English: fluent
- Swedish: working knowledge

Miscellaneous

- Army service in infantry unit
- Israeli driver's license