

MICHAEL A. HICKS

Software Engineering, Quality and Reliability

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EXPERIENCE

Senior Architect (Software)

Philips Innovation Services

March 2017 – Present

Eindhoven, NL

- Improving SW quality/reliability across Philips' global portfolio
- Areas include Architectural Design, Product Owner, FMEA, testing, ...

Software Engineer and Agile Lead

ASML (via AKKA-MATIS)

July 2015 – February 2017

Veldhoven, NL

- Metrology – optics calibration software in huge code base
- Scrum Master & Agile transition – TDD, CI, code quality

Software QA Lead

Screen Point Medical

June 2014 – June 2015

Nijmegen, NL

- Consulting DIAG Tech. sister company as domain specialist
- Leading development team through MedDev QA/RA process

Software Engineering Lead & QA Engineer

DIAG Technologies / UMC St Radboud

December 2010 – June 2015

Nijmegen, NL

- Turning research projects into successful products for clinicians
- Complex image analysis cancer detection (MRI) software; developed, certified and marketed

Research Associate

University of Amsterdam (Computer Systems Architecture Group)

November 2008 – October 2010

Amsterdam, NL

- Focussing on the massively-concurrent Scalable Virtual Processor
- Compiler for new ' μ TC' language, HPC benchmarks & designing I/O subsystem

EDUCATION

PhD Computer Science

University of Hertfordshire

2004 – June 2008

UK

Field: Computer Architecture (Energy Efficient Processor Design)

Thesis: Energy Efficient Branch Prediction

BSc Computer Science (First Class Honours)

University of Hertfordshire

2001 – 2004

UK

Focus: Processor design, operating systems, compilers, networking, artificial intelligence, software quality

ABOUT

Highly skilled interdisciplinary computer scientist with experience in R&D, Q&R engineering and Agile project leadership.

MOTIVATING FACTORS

- Realizing complex projects
- Flexible work environment
- Cross-functional teams
- Ability to influence solutions

MOST PROUD OF



Agile Change

Leading and transitioning teams from conventional to Agile software development



MedTech Startups

Played critical role in the formation of two medical device startups (DIAG Tech. & ScreenPoint Med.)



Simulacrum & Symmetry

Developer of software-libre cross-platform library and tool for analysis of complex medical image data: symmetry-viewer.com

SKILLS & ATTRIBUTES

Problem Solving

Agile

Leadership

Technical Writing

Quality Engineering

Project Management

Data Analysis

C++

C

Python

BASH

Lua

Javascript/HTML/CSS

Qt

Git

Linux

DSLs

Model-driven engineering

Cross-platform

Embedded

Code Metrics

MORE...

Extended CV available on [homepage](#).

Full references available upon request.