

MICHAEL A. HICKS

Software Engineering, Quality and Reliability

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EXPERIENCE

Senior Architect (Software)

Philips Engineering Solutions

March 2017 – Present Eindhoven, NL

- Leading high performance teams across Philips' global portfolio
- Areas include Architectural Design, Product Owner, FMEA, testing, ...

Software Engineer and Agile Lead

ASML

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.