

# 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 arch. design, FMEA, metrics, testing, ver.& val. ...

### 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 ' $\mu$ 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  
Qt    Git    Linux    DSLs  
Model-driven engineering  
Cross-platform    Embedded  
Code Metrics

## FURTHER

Extended CV available on homepage.  
Full references available upon request.