TOMÁŠ PILAŘ

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EMPLOYMENT HISTORY

Xilinx Inc.   July 2019 - Present
Staff Software Engineer   *Cambridge, UK*

· UEFI Technical Lead and Linux Driver developer
· Full ownership of the UEFI Project at Solarflare including design, development, test and CI
· Mentored junior member of the UEFI team

Solarflare Communications   June 2017 - July 2019
Senior Software Engineer   *Cambridge, UK*

· UEFI Driver and Linux Driver Developer
· Developed industry contacts facilitating higher quality of the UEFI products in-house.
· Tutored junior members of other teams to disseminate institutional knowledge
· Collaborated cross-team to design specifications, implement features, develop OEM products, and debug complex issues.

Solarflare Communications   June 2014 - June 2017
Software Engineer   *Cambridge, UK*

· Test Automation Engineer and Test Developer, Linux Driver Developer
· Designed and implemented test cases for multiple products using asynchronous Python framework based on twisted
· Pioneered in-house CI frameworks streamlining the development process
· Thoroughly benchmarked the linux kernel driver using a custom-built tool
· Created in-house test harness for product web-UI using the Selenium framework

TECHNICAL COMPETENCIES

Systems Programming (Linux & UEFI)	C (5 years)
Test Development and Automation	Python (7 years), Jenkins (2 years)
Version Control	Git and Mercurial (5 years)
Data Analysis	C++ and ROOT (2 years)
Database Design & Administration	T-SQL, mySQL, mariaDB

OTHER SKILLS

Languages	Slovak & Czech (Native), English (Bilingual), French (Intermediate)
Management Software	JIRA, Bugzilla, Reviewboard, Slack
Methodology	Agile development and Continuous Integration
Public Speaking	Experience chairing meetings (up to ~ 40 people)

POSITIONS OF RESPONSIBILITY

GAUSS Monte Carlo Simulation Group   October 2011 - June 2014
Decay Files repository manager   LHCb Collaboration, CERN

EvtGen Development Group   October 2010 - June 2014
Development and technical support   University of Warwick, UK

LHCb UK Student Group   June 2012 - December 2012
Convener   LHCb Collaboration, CERN

University of Warwick Computing Society   February 2007 - January 2009
Co-President   University of Warwick, UK

Warwick Conferences   June 2008 - September 2009
Lead Conference Assistant   Warwick Conferences, Coventry

EDUCATION

University of Warwick, UK   October 2010 - June 2014
PhD in Particle Physics
Thesis on analysing data from LHCb to extract Standard Model parameters
Transferrable Doctoral Skills Course
Long Term Attachment in CERN, Geneva (14 months)

University of Warwick, UK   October 2006 - June 2010
MMathPhys (2.1), Thesis in Particle Physics

BASG Milana Hodžu, Sučany, Slovak Republic   October 2001 - June 2006
A-level equivalent (AAAABB)

INTERESTS AND HOBBIES

Professional
Low-level programming (system software or firmware), solving complex problems
Designing robust systems that last, leaving code in better shape, bringing hardware to life
Imparting institutional knowledge

Personal
Board games and computer games, field improv
Literature, theatre, musicals, travelling, swing dancing

COMMUNICATIONS

UEFI Plugfest   Autumn 2016 - *Current*
Regular attendee on behalf of Solarflare Communications

Charm mixing in $D^0 \to K_S \pi\pi$ at LHCb   June 2014
https://cds.cern.ch/record/2008671?ln=en   *University of Warwick*

Model-independent measurement of mixing parameters in $D^0 \to K_S\pi\pi$ decays   April 2016
http://link.springer.com/article/10.1007%2FJHEP04%282016%29033   *Journal of High Energy Physics*

Charm mixing and CP violation at LHCb   May 2013
Large Hadron Collider Physics Conference   *Barcelona, Spain*

Measuring charm mixing using a model-independent technique in $D^0 \to K_S hh$ April 2013
Institute of Physics HEP Conference   *Liverpool, UK*

REFERENCES

Dinan Gunawardena   2017 - *Current*
Director, Xilinx Inc.   *+44 7808 926449, dinan@ieee.com*

Robert Stonehouse   June 2014 - June 2019
Linux Driver Team Lead, Solarflare Communications   *+44 7815 068929, rstonehouse@gmail.com*