

# TOMÁŠ PILAŘ

21 St Bartholomew's Court ◊ Cambridge, CB5 8JB, United Kingdom

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## EMPLOYMENT HISTORY

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### **Xilinx Inc.**

*Staff Software Engineer*

July 2019 - Present

*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**

*Senior Software Engineer*

June 2017 - July 2019

*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 in cross-team task forces to design and implement numerous features

### **Solarflare Communications**

*Software Engineer*

June 2014 - June 2017

*Cambridge, UK*

- Test Automation Engineer and Test Developer, Linux Driver Developer
- 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

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### **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)

## OTHER SKILLS

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### **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

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### **GAUSS Monte Carlo Simulation Group**

Decay Files repository manager

October 2011 - June 2014

LHCb Collaboration, CERN

### **EvtGen Development Group**

Development and technical support

October 2010 - June 2014

University of Warwick, UK

### **LHCb UK Student Group**

Convener

June 2012 - December 2012

LHCb Collaboration, CERN

### **University of Warwick Computing Society**

Co-President

February 2007 - January 2009

University of Warwick, UK

### **Warwick Conferences**

Lead Conference Assistant

June 2008 - September 2009

Warwick Conferences, Coventry

## EDUCATION

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**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)

## HOBBIES

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Board games and computer games, field improv

Literature, theatre, musicals, travelling, swing dancing

## COMMUNICATIONS

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**UEFI Plugfest**

Autumn 2016 - *Current*

Regular attendee on behalf of Solarflare Communications

**Charm mixing in  $D^0 \rightarrow K_S \pi \pi$  at LHCb**

June 2014

<https://cds.cern.ch/record/2008671?ln=en>

*University of Warwick*

**Model-independent measurement of mixing parameters in  $D^0 \rightarrow K_S \pi \pi$  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  $D^0 \rightarrow K_S h h$**

April 2013

*Institute of Physics HEP Conference*

*Liverpool, UK*

## REFERENCES

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**Dinan Gunawardena**

*Director, Xilinx Inc.*

2017 - *Current*

+44 7808 926449, [dinan@ieee.com](mailto:dinan@ieee.com)

**Robert Stonehouse**

*Linux Driver Team Lead, Solarflare Communications*

June 2014 - June 2019

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