

JANUS VARMARKEN

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EDUCATION

DEGREE	Ph.D. Student in Networked Systems	Enrolled Sep 2017
UNIVERSITY	University of California, Irvine	Irvine, CA, USA
GPA	3.83/4.0	
DEGREE	M.Sc. in Software Development and Technology	Jun 2017
UNIVERSITY	IT University of Copenhagen	Copenhagen, Denmark
GPA	9.60/12.0	
DEGREE	B.Sc. in Software Development	Jun 2013
UNIVERSITY	IT University of Copenhagen	Copenhagen, Denmark
GPA	8.92/12.0	

RESEARCH INTERESTS

Applications of wireless ad hoc networks, mobile and ubiquitous computing, edge computing, Internet of Things.

WORK EXPERIENCE

PERIOD	December 2015 — January 2016	
EMPLOYER	IT University of Copenhagen	Copenhagen, Denmark
JOB TITLE	IT Employee	
LANGUAGES	Java (Android)	
	Preliminary work on integrating an early version of AntMonitor (http://antmonitor.calit2.uci.edu/) with the FeltRadio project (http://itu.dk/~erig/FeltRadio/) for Prof. Shklovski and Prof. Grönvall at ITU, in collaboration with Prof. Markopoulou from UCI.	
PERIOD	September 2014 — January 2015	
EMPLOYER	University of California, Irvine	Irvine, California, USA
JOB TITLE	Visiting Junior Specialist II	
LANGUAGES	Java (Android)	
	Development of an application capable of monitoring all network traffic on an Android device as a research assistant for the Networking Group led by Associate Professor Athina Markopoulou.	
PERIOD	October 2013 — July 2014	
EMPLOYER	Danish Maritime Authority	Valby, Denmark
JOB TITLE	Student Worker	
LANGUAGES	Java	
	Programming e-Navigation systems, i.e. computer systems for vessel navigation with the purpose of increasing safety on board while simplifying the navigator's job.	

PERIOD	March 2012 — September 2013	
EMPLOYER	Hammerstad A/S	Herlev, Denmark
JOB TITLE	Programmer	
LANGUAGES	C#	

Programming websites using the ASP.NET framework and programming database tools (e.g. a tool for synchronizing mailing lists stored in a local database with mailing lists stored on MailChimp.com).

PUBLICATIONS

- A. Le, J. Varmarken, S. Langhoff, A. Shuba, M. Gjoka, A. Markopoulou, “AntMonitor: A System for Monitoring from Mobile Devices,” *in Proc. of ACM SIGCOMM Workshop on Crowdsourcing and Crowdsharing of Big Internet Data (C2BID)*, London, UK, Aug. 17, 2015.
- A. Shuba, A. Le, M. Gjoka, J. Varmarken, S. Langhoff, A. Markopoulou, “Demo: AntMonitor - Network Traffic Monitoring and Real-Time Prevention of Privacy Leaks in Mobile Devices,” *in ACM MobiCom S3 Workshop*, Paris, France, July 2015.
 - Best Demo Award Winner.
- A. Shuba, A. Le, M. Gjoka, J. Varmarken, S. Langhoff, A. Markopoulou, “AntMonitor: A System for Mobile Traffic Monitoring and Real-Time Prevention of Privacy Leaks,” *in ACM MobiCom Demos*, Paris, France, Sep 7-10, 2015.

SKILLS

Programming Languages	Java, Swift, Python, C#, C, Scala (limited).
Protocols	HTTP, TCP, UDP.
Data formats	JSON, XML, YAML.
Tools	Git, Gradle.