

# JANUS VARMARKEN

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## EDUCATION

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DEGREE	<b>Ph.D. Student in Networked Systems</b>	Enrolled Sep 2017
UNIVERSITY	<b>University of California, Irvine</b>	Irvine, CA, USA
GPA	<b>3.75/4.0</b>	
DEGREE	<b>M.Sc. in Software Development and Technology</b>	Jun 2017
UNIVERSITY	<b>IT University of Copenhagen</b>	Copenhagen, Denmark
GPA	<b>9.60/12.0</b>	
DEGREE	<b>B.Sc. in Software Development</b>	Jun 2013
UNIVERSITY	<b>IT University of Copenhagen</b>	Copenhagen, Denmark
GPA	<b>8.92/12.0</b>	

## RESEARCH INTERESTS

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

## WORK EXPERIENCE

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PERIOD	<b>December 2015 — January 2016</b>	
EMPLOYER	<b>IT University of Copenhagen</b>	Copenhagen, Denmark
JOB TITLE	<b>IT Employee</b>	
LANGUAGES	<b>Java (Android)</b>	
	Preliminary work on integrating an early version of AntMonitor ( <a href="http://antmonitor.calit2.uci.edu/">http://antmonitor.calit2.uci.edu/</a> ) with the FeltRadio project ( <a href="http://itu.dk/~erig/FeltRadio/">http://itu.dk/~erig/FeltRadio/</a> ) for Prof. Shklovski and Prof. Grönvall at ITU, in collaboration with Prof. Markopoulou from UCI.	
PERIOD	<b>September 2014 — January 2015</b>	
EMPLOYER	<b>University of California, Irvine</b>	Irvine, California, USA
JOB TITLE	<b>Visiting Junior Specialist II</b>	
LANGUAGES	<b>Java (Android)</b>	
	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	<b>October 2013 — July 2014</b>	
EMPLOYER	<b>Danish Maritime Authority</b>	Valby, Denmark
JOB TITLE	<b>Student Worker</b>	
LANGUAGES	<b>Java</b>	
	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	<b>March 2012 — September 2013</b>	
EMPLOYER	<b>Hammerstad A/S</b>	Herlev, Denmark
JOB TITLE	<b>Programmer</b>	
LANGUAGES	<b>C#</b>	

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

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- 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

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