Niki Vazou

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Positions

Research Assistant Professor	2018 – Present
IMDEA Software Institute, Madrid, Spain.	
Postdoctoral Fellow	2017 - 2018
Computer Science Department, University of Maryland, College Park, USA.	
Internship with Jeff Polakow	Summer 2016
Awake Networks, Mountain View, USA.	
Internship with Daan Leijen	Summer 2014
Microsoft Research, Redmond, USA.	
Internship with Dimitrios Vytiniotis	Fall 2013
Microsoft Research, Cambridge, UK.	

Education

Phd	2011-2017
Computer Science and Engineering, University of California, San Diego, USA.	
Supervisor: Ranjit Jhala; Thesis title: "Liquid Haskell: Haskell as a Theorem Prover".	
Diploma	2005-2010
National Technical University of Athens, Athens, Greece.	
Supervisor: Nikolaos Papaspyrou; Thesis title: "Memory Safety with Linear Capabilities".	

(Co-)Supervision of Graduate Students & Interns

IMDEA Software Institute, Madrid, Spain.   2019 – Present
- PhD candidate Lisa Vasilenko on "Relational refinement types".
- Master student Mustafa Hafidi on "Tactics for Liquid Haskell".
- Undergrad student David Munuera on "Haskell to CIAO".
- Research intern Zack Grannan on "Rewriting for Liquid Haskell". *Published at ECOOP'23.*
- Research intern Stefan Malewski on "gradual refinement types".

Computer Science Department, University of Maryland, College Park, USA.   2017 – 2018
- PhD candidate Milod Kazerounian on "Refinement types for Ruby". *Published at VMCAI'18 and PLDI'19.*
- PhD candidate James Parker on "Verification of secure web applications". *Published at POPL'19 and OOPSLA'20.*

National Technical University of Athens, Athens, Greece.   2018
- Diploma student George Petrou on "Verification with Liquid Haskell".

Teaching Activities

Computer Science Department, Universidad Politecnica de Madrid, Madrid, Spain.	Fall 2019
2 months/20 hours seminar on Advanced Functional Programming.	
Computer Science Department, University of Maryland, College Park, USA.	Winter 2018
Lecturer at Advanced Functional Programming (CMSC498V).	
Computer Science Department, University of Maryland, College Park, USA.	Fall 2017
Co-Lecturer at Introduction to Programming (CMSC330).	
Clubes De Ciencia, Guanajuato, Mexico.	Summer 2015
1 week/40 hours course on Functional Programming.	

Reviewing Activities

ESOP'23, POPL'22, WITS'22, TYPES'22, OOPSLA'22, FLOPS'11, PLS'21, PEPM'21, VMCAI'21, CAV'20, FCS'20, POPL'19, ESOP'18, ICFP'18, PEPM'21, PLS'21, TFP'20, Haskell'18, ML-Family Workshop'17, HOPE'17, PADL'17, Scala'17, Haskell'16, HiW'16, TFP'16, PADL'16, Scala'16, AEC@POPL'16, AEC@PLDI'16.

Organization of Scientific Meetings

Co-Chair, Artifact Evaluation, PLDI.	2022
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Virtualization Committee, ICFP.	2020
Co-Chair, Student Research Competition, POPL.	2020
Chair, Student Research Competition, POPL.	2019
Chair, Haskell Implementors' Workshop.	2019
Co-Chair, Programming Languages and Analysis for Security.	2019
Co-Organizer, Programming Languages Mentoring Workshop, ICFP.	2018
Co-Chair, Workshop on Type-Driven Development.	2018

Membership of Scientific Societies

Board Member of Haskell Foundation.	2021 - present
Visitor of IFIP Working Group 2.1 on Algorithmic Languages and Calculi.	2019 - present
Visitor of IFIP Working Group 2.8 on Functional Programming.	2019 - present
Member of The ACM SIGPLAN Haskell Symposium Steering Committee.	2017 - 2021
Member of Haskell.org Committee.	2016 - 2020
Event Coordinator at Graduate Women in Computing, UCSD.	2015 - 2016

Grants & Awards

ERC Starting Grant	2021
Wallenberg Academy Fellowship.	2021
Juan de la Cierva Incorporacion Grant, by Spanish Ministry of Science and Innovation.	2021 - 2023
Atraccion de Talento Fellowship, by Madrid Regional Government.	2020 - 2024
Best paper award at ACM SIGPLAN Conference OOPSLA.	2018
Victor Balisi Postdoctoral Fellowship, University of Maryland, College Park, USA.	2017 - 2018
Graduate Award for Research, University of California, San Diego, USA.	2015
Microsoft Research Graduate Research Fellowship.	2014 - 2016