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, WGT'20, 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 Events

Co-Chair, Artifact Evaluation, PLDI.	2022
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Virtualization Committee, ICFP.	2020
Co-Chair, Student Research Competition, POPL.	2020
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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