

## Curriculum vitae

### • PERSONAL INFORMATION

*Family name, First name:* Vazou, Niki

*Researcher identifiers:* orcid: 0000-0003-0732-5476, publons: 3145359, google scholar: ARcLTokAAAAJ

*Date of birth:* 20 July, 1987

*Nationality:* Greek

*URL for web site:* <https://nikivazou.github.io/>

### • EDUCATION

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|-----------|--|
| 2011-2017 | PhD<br>Computer Science and Engineering, University of California, San Diego, USA.<br>Supervisor: Ranjit Jhala; Thesis title: “Liquid Haskell: Haskell as a Theorem Prover”. |
| 2005-2010 | Diploma<br>National Technical University of Athens, Athens, Greece.  |

### • CURRENT POSITION

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| 2018-present | Research Assistant Professor<br>IMDEA Software Institute, Madrid, Spain. |
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### • PREVIOUS POSITIONS

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| 2017-2018   | Postdoctoral Fellow<br>Computer Science Department, University of Maryland, College Park, USA. |
| Summer 2016 | Internship with Jeff Polakow<br>Awake Networks, Mountain View, USA.                            |
| Summer 2014 | Internship with Daan Leijen<br>Microsoft Research, Redmond, USA.                               |
| Fall 2013   | Internship with Dimitrios Vytiniotis<br>Microsoft Research, Cambridge, UK.                     |

### • SUPERVISION OF GRADUATE STUDENTS AND POSTDOCTORAL FELLOWS

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| 2019-present | co-supervised with Gilles Barthe.<br>- PhD candidate Lisa Vasilenko on “relational refinement types”.<br>- Master student Mustafa Hafidi on “tactics for Liquid Haskell”.<br>- Undergrad student David Munuera on “Haskell to CIAO”.<br>- Research intern Zack Grannan on “rewriting for Liquid Haskell”.<br>- Research intern Stefan Malewski on “gradual refinement types”.<br>IMDEA Software Institute, Madrid, Spain. |
| 2017-2018    | - PhD candidate James Parker on “verification of secure web applications”,<br>co-supervised with Michael Hicks and published on POPL’19 and OOPSLA’20.<br>- PhD candidate Milod Kazerounian on “refinement types for Ruby”,<br>co-supervised with Jeff Foster and published on VMCAI’18 and PLDI’19.<br>Computer Science Department, University of Maryland, College Park, USA.   |
| 2018         | - Diploma student George Petrou on “verification with Liquid Haskell”,<br>co-supervised with Nikolaos Papaspyrou.<br>National Technical University of Athens, Athens, Greece.   |

## • TEACHING ACTIVITIES

Fall 2019	2 months/20 hours seminar on Advanced Functional Programming, Computer Science Department, Universidad Politécnica de Madrid, Madrid, Spain.
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), Computer Science Department, University of Maryland, College Park, USA.
Summer 2015	1 week/40 hours course on Functional Programming, Clubes De Ciencia, Guanajuato, Mexico.

## • ORGANISATION OF SCIENTIFIC MEETINGS

2021	Co-Chair, Artifact Evaluation, PLDI.
2020	Virtualization Committee, POPL.
2020	Co-Chair, Student Research Competition, POPL.
2019	Chair, Student Research Competition, POPL.
2019	Chair, Haskell Implementors' Workshop.
2019	Co-Chair, Programming Languages and Analysis for Security.
2018	Co-Organizer, Programming Languages Mentoring Workshop, ICFP.
2018	Co-Chair, Workshop on Type-Driven Development.

## • REVIEWING ACTIVITIES

POPL'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.

## • MEMBERSHIPS OF SCIENTIFIC SOCIETIES

2021 - present	Board Member of Haskell Foundation.
2019 - 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.
2017 - present	Member of The ACM SIGPLAN Haskell Symposium Steering Committee.
2016 - 2020	Member of Haskell.org Committee.
2015 - 2016	Event Coordinator at Graduate Women in Computing, UCSD.

## • MAJOR COLLABORATIONS

*Gilles Barthe* on Refinement Types for Rust for Cryptographic Protocols,  
Max Planck Institute for Security and Privacy, Bochum, Germany.

*Michael Hicks* and *David Van Horn* on Applications of Verification to Security,  
Computer Science Department, University of Maryland, College Park, USA.

*Michael Greenberg* on Logics for Refinement Types,  
Computer Science, Pomona College, Claremont, USA.

*Ranjit Jhala* on Refinement Types,  
Computer Science and Engineering, University of California, San Diego, USA.

## • FELLOWSHIPS AND AWARDS

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