

# Panagiotis Vekris

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INTERESTS      Programming Languages, Type Systems, Program Analysis, Verification

CURRENT EMPLOYMENT      **Facebook Inc.**, CA, USA  
*Research Scientist*, October 2017 – present

EDUCATION      **University of California, San Diego**, CA, USA  
*Ph.D.*, Computer Science, July 2017  
Thesis Title: Precise Type Checking for JavaScript  
Adviser: Ranjit Jhala

**University of California, San Diego**, CA, USA  
M.S., Computer Science, June 2014  
GPA: 3.94 /4.0

**National Technical University of Athens**, Greece  
BSc., Computer Science, July 2011  
Thesis adviser: Nikolaos S. Papaspyrou  
GPA: 9.62 /10.0

PREVIOUS EMPLOYMENT      **Facebook Inc.**, CA, USA  
*Intern*, June 2016 – September 2016  
Mentor: Avik Chaudhuri

**Microsoft Research**, Cambridge, United Kingdom  
*Research Intern*, September 2013 – December 2013  
Mentor: Gavin Bierman

PUBLICATIONS      Avik Chaudhuri, Panagiotis Vekris, Sam Goldman, Marshall Roch, and Gabriel Levi. **Fast and Precise Type Checking for JavaScript**. In *Proceedings of the Conference on Object-Oriented Programming, Systems, Languages & Applications (OOPSLA)*, Vancouver, British Columbia, Canada, October 2017.

Panagiotis Vekris, Benjamin Cosman, and Ranjit Jhala. **Refinement Types for TypeScript**. In *Proceedings of the Conference on Programming Language Design and Implementation (PLDI)*, Santa Barbara, CA, June 2016.

Panagiotis Vekris, Benjamin Cosman, and Ranjit Jhala. **Trust, but Verify: Two-Phase Typing for Dynamic Languages**. In *European Conference on Object-Oriented Programming (ECOOP)*, Prague, Czech Republic, July 2015.

Aseem Rastogi, Nikhil Swamy, Cédric Fournet, Gavin Bierman, and Panagiotis Vekris. **Safe & Efficient Gradual Typing for TypeScript**. In *Proceedings of the Symposium on Principles of Programming Languages (POPL)*, Mumbai, India, January 2015.

Panagiotis Vekris, Ranjit Jhala, Sorin Lerner, and Yuvraj Agarwal. **Towards Verifying Android Apps for the Absence of No-sleep Energy Bugs**. In *Proceedings of the USENIX Conference on Power-Aware Computing and Systems (HotPower)*, Hollywood, CA, October 2012.

Prodromos Gerakios, Nikolaos Papaspyrou, Konstantinos Sagonas, and Panagiotis Vekris. **Dynamic Deadlock Avoidance in Systems Code Using Statically Inferred Effects**. In *Proceedings of the Workshop on Programming Languages and Operating Systems (PLOS)*, Cascais, Portugal, October 2011.

PROGRAMMING SKILLS      JavaScript, Haskell, OCaml, Java, Python

LANGUAGES      Greek: Native • English: Fluent • German: Novice