

Nil Mamano

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Education

University of California, Irvine, USA

- PhD in Computer Science, GPA 3.83/4 Dec 2019
- Masters in Computer Science, GPA 3.83/4 Dec 2019

Polytechnic University of Catalonia, Spain

- B.E. in Computer Science, GPA 9.5/10 Jul 2015

Books

- G. Laakmann McDowell, M. Mroczka, A. Lerner, N. Mamano “[Beyond Cracking the Coding Interview: Pass Tough Coding Interviews, Get Noticed, and Negotiate Successfully](#)”, CareerCup, LLC, 2025. ISBN: 978-1955706001

Publications

Conference Publications

- C7.** J.J. Besa, T. Johnson, N. Mamano, M.C. Osegueda “[Taming the Knight’s Tour: Minimizing Turns and Crossings](#)”, FUN 2020
- C6.** N. Mamano, A. Efrat, D. Eppstein, D. Frishberg, M.T. Goodrich, S. Kobourov, P. Matias, V. Polishchuk, “[Euclidean TSP, Motorcycle Graphs, and Other New Applications of Nearest-Neighbor Chains](#)”, ISAAC 2019
- C5.** G. Barequet, D. Eppstein, M. T. Goodrich, and N. Mamano, “[Stable-Matching Voronoi Diagrams: Combinatorial Complexity and Algorithms](#)”, ICALP 2018
- C4.** D. Eppstein, M.T. Goodrich, and N. Mamano, “[Reactive Proximity Data Structures for Graphs](#)”, LATIN 2018
- C3.** D. Eppstein, M.T. Goodrich, D. Korkmaz, and N. Mamano, “[Defining Equitable Geographic Districts in Road Networks via Stable Matching](#)”, SIGSPATIAL 2017 (short paper)
- C2.** D. Eppstein, M.T. Goodrich, and N. Mamano, “[Algorithms for Stable Matching and Clustering in a Grid](#)”, IWCCIA 2017
- C1.** D. Eppstein, M.T. Goodrich, J. Lam, N. Mamano, M. Mitzenmacher, and M. Torres, “[Models and Algorithms for Graph Watermarking](#)”, ISC 2016 *Best Student Paper Award*

Journal Publications

- J4.** J.J. Besa, T. Johnson, N. Mamano, M.C. Osegueda, P. Williams “[Taming the Knight’s Tour: Minimizing Turns and Crossings](#)”, TCS 2022
- J3.** G. Barequet, D. Eppstein, M.T. Goodrich, and N. Mamano, “[Stable-Matching Voronoi Diagrams: Combinatorial Complexity and Algorithms](#)”, JoCG 2020
- J2.** W. Hayes and N. Mamano, “[SANA NetGO: a combinatorial approach to using Gene Ontology \(GO\) terms to score network alignments](#)”, Bioinformatics: Oxford Journals, 2018
- J1.** N. Mamano and W. Hayes, “[SANA: Simulated Annealing far outperforms many other search algorithms for biological network alignment](#)”, Bioinformatics: Oxford Journals, 2017

Posters

- P1.** J. J. Besa, T. Johnson, N. Mamano, and M. Osegueda “[Taming the Knight’s Tour: Minimizing Turns and Crossings](#)”, Graph Drawing 2018

Other Publications (not peer-reviewed)

- O1.** C. Creus, P. Fernández Durán, G. Godoy, N. Mamano “[Automatic evaluation of top-down predictive parsing](#)”, Research Report, UPCCommons, 2016

Experience

- Senior Software Engineer, Google Feb 2021 – Aug 2024
- Tech Interview Consultant, Pathrise Apr 2020 – Jan 2021
- PhD Student Researcher, University of California, Irvine Sep 2015 – Dec 2019
- Teaching Assistant, University of California, Irvine Sep 2016 – Jun 2018
- Visiting Researcher, University of California, Irvine Feb 2015 – Jul 2015
- Research Intern, Polytechnic University of Catalonia Feb 2014 – Sep 2014

Awards and Honors

- Balsells Graduate Fellowship 2015 – 2016
- Formula Santander Scholarship 2014
- Balsells Fellowship, Undergraduate Mobility Program 2014

Guest Lectures

- “Graph Separators”, for “Graph Algorithms and Applications” at Pomona College Fall 2018
- “Euler Tours”, for “Graph Algorithms” at UCI Spring 2018
- “Stable Matching”, for “Graph Algorithms” at UCI Spring 2017
- “Graph Coloring”, for “Graph Algorithms” at UCI Spring 2017