

Victor Crespo-Rodriguez

0483 020 645 | me@victorcrespo.xyz | victorcrespo.xyz




 [crespovictor](#) |  [crespovictor](#) |  [bluesky](#)

Melbourne, Australia

EDUCATION

- **PhD - Software Engineering** 2021 - 2025
Monash University Melbourne, AU
 - Research Topic: Search-Based Testing of Autonomous Vehicles
- **Master of Applied Cybernetics** 2020-2021
Australian National University Canberra, AU
 - Graduated with Commendation
- **Bachelor of Mechatronics Engineering** 2009-2014
Monterrey Institute of Higher Education Mexico
 - National Prize of Excellence

PROFESIONAL EXPERIENCE

- **Onfleet**  Oct 2021 - Oct 2023
Technical Support Engineer San Francisco, US
 - Provided technical support for APAC customers of the Onfleet platform
 - Engaged in technical pre-sales for potential customers
- **Arcus FI**  Feb 2016 - Jan 2020
Tech Support Engineer Lead Mexico City
 - Provided technical support for Latin American customers of the Arcus FI platform
 - Improved clients integrations with the Arcus FI platform by leveraging their needs
 - Created and implemented technical support processes and documentation
- **Microsoft Mexico**  Jul 2014- Feb 2016
Technical Support Engineer Mexico City
 - Provided technical support for Latin American customers of the Microsoft Dynamics platform
 - Member of MACH: Microsoft Academy for College Hires

PUBLICATIONS

- [1] Crespo-Rodriguez, Victor, et al. *The Role of Road Features and Vehicle Dynamics in Cost-Effective Autonomous Vehicles Testing: Insights from Instance Space Analysis*. 2025. Pre-Print SSRN, <https://doi.org/10.2139/ssrn.5314027>.
- [2] Crespo-Rodriguez, Victor, et al. Instance Space Analysis of Testing of Autonomous Vehicles in Critical Scenarios. *ACM Transactions on Software Engineering and Methodology*, vol. 34, no. 3, Mar. 2025, pp. 1–36. DOI.org (Crossref), <https://doi.org/10.1145/3699596>.
- [3] Crespo-Rodriguez, Victor, et al. 'PAFOT: A Position-Based Approach for Finding Optimal Tests of Autonomous Vehicles'. *Proceedings of the 5th ACM/IEEE International Conference on Automation of Software Test (AST 2024)*, ACM, 2024, pp. 159–70. DOI.org (Crossref), <https://doi.org/10.1145/3644032.3644457>.

SKILLS

- **Programming Languages:** Python, Ruby
- **Data Science & Machine Learning:** pyTorch, Tensorflow, Scikit Learn
- **Cloud Technologies:** Azure, AWS
- **Specialized Area:** Autonomous Vehicles controllers and simulators
- **Mathematical & Statistical Tools:** MATLAB