



Victor Crespo-Rodriguez

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Melbourne, Australia

EDUCATION

- **PhD - Software Engineering** 2021 - 2025
Monash University Melbourne, AU
 - Research Topic: Search-Based Testing of Autonomous Vehicles
 - Publications:
 - * 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>.
 - * 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. <https://doi.org/10.1145/3699596>.
 - * 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. <https://doi.org/10.1145/3644032.3644457>.
- **Master of Applied Cybernetics** 2020-2021
Australian National University Canberra, AU
 - Graduated with Commendation
 - Selected Projects:
 - * The State of AI: An analysis of the adoption of AI solutions by Australian Organisations (2021) 
 - * The Power of Community: The Jacka 2 community battery - An Analysis (2020) 
- **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

SKILLS

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