



# David Figueroa

Graduate Research Assistant at Osaka University  
Ishiguro Lab

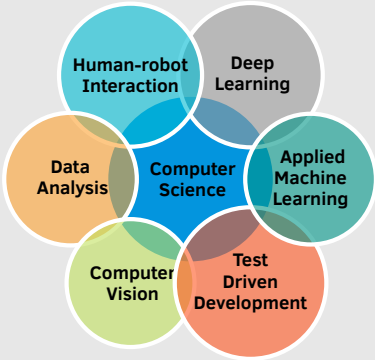
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## Interests



## Programming Skills

• Python • TypeScript

• Java • Haskell

• SQL • MongoDB • R • C++ • Ruby

## Languages

• Spanish

• English

• Japanese

## Education

2020 Oct 2023 Sep	<b>Ph.D. Systems Science and Applied Informatics</b>	Osaka University
	• Intelligent Robotics group	
2018 Oct 2020 Sep	<b>M.S. Systems Science and Applied Informatics</b>	Osaka University
	• Intelligent Robotics group	
2010 Sep 2015 Aug	<b>B.Eng Electronic Engineering</b>	San Francisco de Quito University
	• Specialization in automation	

## Experience

2020 Oct Present	<b>Graduate Research Assistant</b>	Ishiguro Lab.
	• Ph.D. student	
	• Worked in projects applying machine learning in real-life scenarios (computer vision/multimodal algorithms)	
	• Experience in data gathering	
	• Experience in data structuring	
	• Deep learning systems designed & deployed	
Mar 2017 Aug 2018	<b>Software Developer</b>	Stack Builders Inc.
	• Worked on different projects using full stack technologies supporting established companies and startups develop their technological need, including a startup reaching Series B funding	
	• Experience working using SOLID principles in functional and object oriented programming	
	• Focus on unit and integration testing using Test-Driven Development methodologies	
	• Experience in Continuous Integration & Continuous Delivery	
	• Experience in version control systems (Git)	
	• Knowledge in Agile methodologies	
	• Candid communication working alongside in-office and remote teammates	

## Accomplishments

2020 Oct 2023 Sep	<b>Monbukagakusho Scholarship</b>	
	• Japanese government scholarship for foreign students in higher education institutions	
	• Awarded to study the Ph.D. program	
2018 Oct 2020 Sep	<b>Monbukagakusho Scholarship</b>	
	• Japanese government scholarship for foreign students in higher education institutions	
	• Awarded to study the master's program	

## Publications

2023 Feb	<b>Recognition of hand disinfection by an alcohol-containing gel using 2D imaging in a clinical setting</b> <a href="#">[Link]</a>
2023 Jan	<b>Improving voice detection in real life scenarios: differentiating television and human speech at older adults' houses</b> <a href="#">[Link]</a>