David Figueroa

Graduate Research Assistant at Osaka University
Ishiguro Lab

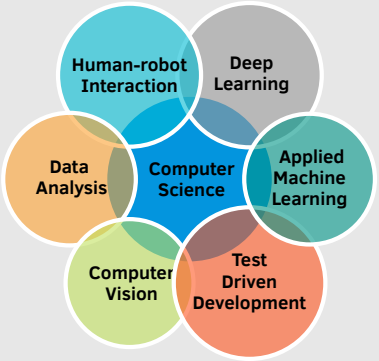
+81 70 4005 7133

dargor16@hotmail.com

david-figueroa-salvador

DargorAbraxas

Interests



Programming Skills

- Python
- TypeScript
- Java
- Haskell
- SQL
- MongoDB
- R
- C++
- Ruby

Languages

- Spanish
- English
- Japanese

Education

2020 Oct – 2023 Sep
Ph.D. Systems Science and Applied Informatics — Osaka University

- Intelligent Robotics group
- Focus on the use and development of machine learning to improve the use of social robots
- Improvement of human-robot interaction in real-life scenarios
- Diverse deep learning algorithms implemented and deployed
- Manage, structure and preprocess large amounts of data

2018 Oct – 2020 Sep
M.S. Systems Science and Applied Informatics — Osaka University

- Intelligent Robotics group

2010 Sep – 2015 Aug
B.Eng Electronic Engineering — San Francisco de Quito University

- Specialization in automation

Experience

2020 Oct – Present
Graduate Research Assistant — Ishiguro Lab.

- Worked in projects applying machine learning in real-life scenarios
- Experience in data gathering & structuring
- Design and deploy of deep learning systems

Mar 2017 – Aug 2018
Software Developer — Stack Builders Inc.

- Worked on projects using full stack technologies supporting companies and startups develop their technological needs, including integration with APIs of different third parties
- Focus on unit and integration testing using Test-Driven Development methodologies
- Use of Continous Integration & Continous Delivery, version control systems (Git)
- Knowledge in Agile methodologies

Accomplishments

2018 Oct – 2023 Sep
Monbukagakusho Scholarship

- Japanese government scholarship for foreign students in higher education institutions
- Awarded to study the Ph.D. program (2020) and masters program (2018)

Publications & Patents

2023 Feb
Recognition of hand disinfection by an alcohol-containing gel using 2D imaging in a clinical setting [Link]

2023 Jan
Improving voice detection in real life scenarios: differentiating television and human speech at older adults' houses [Link]

2023 Jan
Patent application number 2023-026150

- Deep neural network to differentiate voice source ssing data gathered in the field, the model can identify from human-generated voices and television-generated synthetic voices