

Bruno Senzio-Savino Barzellato

Innovator

Contact Details

Phone

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E-mail

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LinkedIn


<https://www.linkedin.com/in/bsenzio/>

Skills

Embedded Systems 


CAD/CAM 
SolidWorks, 3D Printing

Product Design 

Scrum 
Confluence, JIRA, Bitbucket

Software

Linux 

Python 
Scikit-learn, OpenCV


HTML5 & CSS 


Javascript 

Git & Github 

Blender 


Unity3D 

C 

C++ 

Altium Designer 

Languages

Spanish 
Native

English 
TOEFL iBT: 112/120

Japanese 
JLPT N3 (2006)

Italian 

Professional Appointments

2018-08 - present **R & D Engineer**

ZMP Inc.

- Research and development for robotic system hardware
- Hardware design solutions for integration of Autonomus Driving
- Electromechanical system design of delivery robot
- Use of Agile and Scrum for development between areas

2015-08 - 2018-06 **Lead Hardware and Product Developer**

Mirai Innovation Lab

- Designed and developed ARM Cortex M4F-based product for biosignal acquisition and processing
- Developed Smart Relay product for IoT applications and remote monitoring
- Support for product mechanical and digital design solution implementation

2011-06 - 2014-03 **Field Applications Engineer, OCS & M2M Leader Mexico**

Arrow Electronics Inc.

- Implemented diverse solutions for the country electronics market
- Generated new demand points and growth
- Raised the company tech support level within a year
- Became an important contact point for the branch
- International Rectifier's award for highest demand creation FAE in Mexico

2010-07 - 2011-05 **Plant Engineer**

Provedora Mexicana de Monofilamentos S.A. de C.V.

- Improved efficiency by design and development of diverse plastic monofilament extrusion dies
- Implemented QA for ISO9001 and ISO14000 for hazardous materials area
- Enhanced operation of diverse in-plant equipment
- Designed innovative machine elements for automation purposes

Self-funded

2013-01 - 2014-01 **Founder, R&D and Sales Manager**

Azul257

- Generated and implemented a unique technology for production and assembly of AOLDC (Acrylic One-Layer Different Colors) with a special manufacturing process
- Competed effectively against Chinese manufacturing companies
- Generated exponential revenue and blue ocean

2011-11 - 2012-12 **Founder, R&D Manager**

Recicla para ayudar a quien mas lo necesita A.C.

- Installed solar panel lighting system on marginalized communities
- Generated different ecological alternatives for cultural and educational robotics with children
- Promoted innovative technologies for government science funding application

Additional Activities

2015-03 - 2018-06

Global Network of Mexican Talent in Foreign Countries

Network Coordinator of Japan Chapter

2010-05 - present

Mensa International and Mensa Mexico

Member

Interests

Historical Novel, Geoeconomics, Geopolitics, Video games

Education

2019-05 -

Quantic School of Business and Technology

2020-05

- EMBA Graduate, class of May 2019

2017-04 -

Osaka University

2018-03

- Intelligent Robotics Laboratory

- Cognitive Neuroscience and Robotics

2017-04 -

Advanced Telecommunications Research Institute

2018-03

International

- Research Intern

- Contribution to publication **BMI control of a third arm for multitasking**. Science Robotics, Vol. 3, Issue 20, eaat1228

2015-04 -

University of the Ryukyus

2017-03

- **Master of Engineering** under MEXT Scholarship

- Dean's Honorary Award

2006-08 -

National Autonomus University of Mexico

2011-05

- **B.S. Mechatronics Engineering**, Summa Cum Laude

- National Association of Universities and Engineering Faculties award for 2010's "best student" for Mechatronics Engineering

2009-01 -

University of California, Los Angeles

2009-04

- Visiting Student

Publications

2017-02

Bruno Senzio-Savino, M. R. Alsharif, C. E. Gutierrez and K. Setarehdan: "An Online Brain Wave Signal Pattern Classifier by Using Supervised and Unsupervised Learning with Parallel Processing Optimization", IJACSA, Vol. 8(1), pp.412-419

2016-12

Bruno Senzio-Savino, M. R. Alsharif, C. E. Gutierrez, K. Yamashita, K. Setarehdan, M. Khosravy and F. Alsharif: "**Brain Wave Pattern Classification: Towards the Design of an Effective Online Classifier**", EJIST, pp.18-29

2015-12

Bruno Senzio-Savino, M. R. Alsharif, C. E. Gutierrez, K. Yamashita and J. Noble: "**Path Detection in Virtual Environment for Synchronous EEG by Density Based Support Vector Machine**", JICE, pp.36-40

2018-09

Pat.Pending MX/a/2018/011165 for the document **Interactive biosignal processing system with biofeedback**

2012-11

Pat.Pending MX/a/2012/010393 for the document **Modular control interface for mind operated actuators and devices**