Antonio Vásquez Briones

+56992935020 – advasquezbr@gmail.com

Las Condes -Santiago - Chile

# Professional Profile

Automation Engineer with +5 years of experience working in software development, education and field service in Control Systems, Industrial Electronics, Networks, and Microcontrollers. Primarily focused on development and integration of new technologies. Excellent interpersonal and communication abilities, and possess a wide range of technical and programming skills. Enjoys being a part of a team, as well as managing, motivating and training others, and thrives in challenging working environments.

# Education

* **Universidad del Bío-Bío, Concepción Chile.**Automation Engineer, 2014 -Bachelor of Science Degree in Engineering 2013  
  *(Ingeniería Civil en Automatización)*
* **Liceo Industrial Metodista, Coronel Chile**.

Electronics Technician, 2007.

# Professional Experience

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| **04-2018 to date** |  | **Synopsys Chile Ltda. Vitacura, Santiago**   * Maintains, tracks and develop improvements to the in-house automated software testing infrastructure for the development lifecycle of one of the main products of the company, Design Compiler which is tested as part of a synthesis to place & route flow (DesignCompiler-ICC2-Formality) * Works as part of the Product Validation Team; an international Team across Santiago Chile and Shanghai China that serves to the product developers across the world. * During the stay at the company has attend trainning at Shanghai China Company Facilities. * Leads the development of several tools for improving the productivity of the team. (Automated extraction of kpi’s, web reporting, data analysis) |
| **02-2018 and 07-2018** |  | **Capacita OTIC, Arduino Raspberry and IoT SENCE Bootcamp Teacher**   * Leads the 1 week SENCE program for teachers from the TI department of INACAP-Chile. * The program consists in several lessons and activities to prepare teachers from all the country in IoT, Arduino, Raspberry and several open-source technologies. |
| **03-2015 to 03-2018** |  | **Universidad Tecnológica de Chile INACAP Concepción-Talcahuano**  **(*Technological University of Chile*)**   * Full-time Academic of the Electrical, Electronics and Automation department, teaches mainly Control Systems, PLC’s, Microcontrollers and Industrial Networks classes. Teaches and trains adult and youth. * SENCE Corporate Training Programs like Industrial Instruments and PLC. * Design and Implementation of Domotic Technologies at facilities. |
| **07-2013 to 03-2015** |  | **Liceo Industrial Metodista, Coronel**   * Full-Time teacher for High-School Electronics Technicians, works with teenagers at social risk. * Lead Teacher of the Robotics Group. First Prize at *Inacap Robotics Challenge 2014.* |
| **07-2011 to 07-2012** |  | **Industrial Instruments Field Technician**   * Commissioning and troubleshooting at several power plants in BíoBío Region, Chile. Serves as English translator for companies from various locations around the world. |
| **03-2009 to 12-2012** |  | **Universidad del Bío-Bío, Campus Concepción.**   * Teaching Assistant at Calculus, Motion Control and Systems courses. |

# Additional Skills

* Independent hardware and software free-time developer; regularly develops small scale-projects for several natural-person clients -helps on student’s thesis, telecommunication projects, smart-home, IoT, lessons on demand-.
* Self-learner; quick to getting up to speed, fast to learn (code). Proficient implementing theory and algorithms on code in order to give simple solution to real problems.
* Musician; song-composer, singer and guitarist.
* *Computer literacy: Python, C/C++, Object Oriented Programming, Perl, Tcl, General Shell Script, HTML, CSS, Javascript.*

**Other**

* Leaders from the South *“Reconocimiento Lideres del Sur”*, price given by “El Sur” newspaper by his cooperation in the divulgation of technology and robotics to teenagers and young people at social risk. 27-dec-2017.