

# Sergio A. Ulloa B.

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## WORK EXPERIENCE

**HappyVolt**, La Reina, RM, Chile

- **Technical Consultant**
- **Technical Consultant**
- **Internship**
- **Roles**

August 2020 – December 2020  
November 2019 – February 2020  
February 2019 – November 2019

- Electronics Designer
- Software Engineer
- Electronics Technician

- **Highlights**

- Led the hardware design process of an automatic fruit testing robot targeted for agriculture industry customers.  
Performed component research, prototyping, implementation, and testing.

## EDUCATION

**Liceo Industrial Bicentenario Chileno Alemán**, RM, Chile

2015 – 2019

- **Electronics Technician Degree**
- **Highlights**

- Represented school at **WorldSkills Chile** 2017 and **WorldSkills Chile** 2018, obtaining 2nd place in electronics and 2nd place in robotics, respectively.

## SKILLS

- **Programming Languages**

- Golang, Python, Arduino, C++, Bash

- **Web Development**

- SvelteKit, TailwindCSS, TypeScript

- **Electronics & CAD Design**

- KiCad, Eagle, Fusion360, Embedded Development

- **Development Environment & Productivity Tools**

- Linux, Git, Docker, NeoVim, VS Code, Latex, Microsoft Office Suite

## ACHIEVEMENTS

**Capture The Flag**

- **8dot8 CTF**

- 2022 – Third place – Solved challenges consisting of Cyphers, Reverse Engineering & Cryptography.

**Hackathons**

- **AngelHack Global Hackathon Series**

- 2019 – AngelHack Santiago & EY Fintech challenge Winner – Development of a digital bank with a focus on new workers and immigrants.
- 2018 – Hurify Open Challenge Winner – BLE tracker development.

- **Nasa SpaceApps Challenge**

- 2017 – Development of IgniSight, a LoRa mesh network capable of detecting wildfires.
- 2016 – First place, technology – Development of a 3D printable modular rocket.

## LANGUAGES

- Spanish: Native language
- English: Fluent (speaking, reading, writing)
  - TOEFL Junior B2 Certification