

# Cristian E. Duguet

Engineer and Entrepreneur with strong interest in technology, society and innovation.

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## Experience

- 04.14 - now **Freelance FinTech Consultant**
- Implementation and adoption of new payment technologies to Big Banks in Chile.
  - Improvement of User Experience in Loan Process on Web Mobile.
- 05.15 - now **Freelance iOS & Android Developer**
- Developed various Applications in iOS (Swift) and Android: SwApp - Exchange money with friends ([iOS](#)), TrainFES ([iOS](#)), DentalApp ([iOS](#),[Android](#)).
- 01.14 - now CrowdTransfer
- Founder and CEO**
- CrowdTransfer is a P2P remittances platform.
  - Award-winning (Geek Camp, StartUp Chile) team 5 people.
  - Raised \$80k. User growth of 60%, and 250k USD exchanged in 5 months.
  - Tasks: Business Development, Finance, Prod. Development, Mktg., Strategy.
- 10.12 - 09.13 Telefonica Germany GmbH & CO OHG
- Planning Engineer at European Leadership Program**
- Data Monetization Initiative: Small Marketing-Engineering-Strategy team to assess and Capital Expenditure with a budget of €500m/y on 3G and 4G Networks, and maximise revenue on traffic.
  - Capacity Demand Forecast: very detailed traffic demand prediction based on consumer behaviour, Marketing forecasts. Worked closely with Accenture.
  - Planning of the deployment of a small Pop-Up store in London with a £10k budget.
- 03.11 - 10.12 German Aerospace Center (DLR) & Technische Universität München
- Indoor Navigation Engineer**
- Edition and Implementation of different Machine Vision algorithms for navigation of Micro-Aerial Vehicles (MAV) inside buildings with mono cam (Optical Flow, PTAM).
  - Multi-Sensor Fusion techniques for Simultaneous Location and Mapping (SLAM) systems in Robotics.
- Galileo Receiving Antennas**
- Development of Software Platform for automatic antenna test in prototyping stage and antenna pattern simulation.
- 11.10 - 03.11 Student Satellite Initiative Munich e.V. (SSIMUC)
- Development of automatic Satellite tracking system analysing antenna EM modes.
- 03.08 - 03.10 TIGO Geodetic Observatory
- Operator in Very Long Baseline Interferometry (VLBI).**
- Operation of Radiotelescopes for further estimation of baseline distances with a worldwide network of observatories, using interferometry techniques.
  - Technical experience with Radiotelescopes (Front and Back-ends), Helium-colded dewar flasks, atomic clocks, emergency generators, control systems.
- 12.07 - 02-08 Entel PCS
- Quality Endorsement Engineer**
- Quality control of the mobile devices to comply with local standards performing Radio and Software tests.

04.04 - 07.09    Lab and/or teaching Assistant in Antennas, Microwaves, Fiber Optics, Optoelectronics, and Linear Algebra in Universidad de Concepción.

## Education

- 10 - 12    Technische Universität München, Germany  
    **Master of Science in Communications Engineering**  
    Thesis: "Multisensor Simultaneous Localization and Mapping (SLAM) for Micro Aerial Vehicles " with Dr. Michael Angermann
- 04 - 09    Universidad de Concepción, Chile  
    **Ing. Civil en Telecomunicaciones (Communications Engineering)**  
    Thesis: "Design of a Broadband Power Divider for Satellite TV Reception Plane Arrays" with Prof. Dr. Vladimir Chtcherbakov

## More

- Languages    English    ★★★★★☆    TOEFL iBT 96  
                German:    ★★★★★☆    DSH2 / C1  
                Spanish:    ★★★★★★    Native
- Skills    • Fiber Optics • Optoelectronics • Communications Networks • LTE • Antenna Design • Microwaves • Satellite Communications • Indoor Navigation • Machine Vision • Sensor Fusion
- iOS Swift • Parse • Matlab • C/C++ • HFSS • GNURadio • PHP • HTML/CSS/ LESS • jQuery • OpenCV • ROS
- New Business Development • Entrepreneurship • Lean Product Development • Gamification Strategies • Online Marketing
- Fintech Startups • Money Remittances • Financial Regulations • Cryptocurrencies
- Other    • Swimming Team 2004/2005 • Students Council 2005-2007 • Faculty of  
Awards    Engineering Award 2009 • Universidad de Concepción Prize 2010 (summa cum laude) • DAAD Scholarship 2010-2012 • IDEiAS member • KPMG Bussiness Innovation Contest, winner, 2011 • Geek Camp 6, winner, 2014 • StartUp Chile Gen 10 2014 • Digital Bank Latam 2014 finalist • Innotribe New York 2015 semi-finalist