

# Diego Iruretagoyena

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## Education

### Pontifical Catholic University of Chile

B.S. Computer Science Engineering. B.A. Data Science And Analytics

**Santiago, Chile**

March, 2014 - December 2020

#### Relevant Coursework

Deep Learning, Cryptography, Network Security, Distributed Systems, Statistical Inference, Regression Analysis, Data Mining, Visualization of Information, Formal Languages and Automata Theory, Pattern Recognition for Computer Vision, Conversational Mandarin, Design and Analysis of Algorithms, Logic for Computer Science, Web Development.

#### Teacher Assistant

Computer Science Capstone, Distributed Systems, Advanced Python Programming, Database Systems, Economics, Computer Science in Today's World, Social Communication Lab., Programming Laboratory, Object Oriented Programming, Ecotheology.

### University of Texas at Austin, United States

Machine Learning Research Scholar | EECS Department

**Austin, USA**

December, 2016 - March 2017

Member of the Wireless Networking and Communications Group under supervision of Ph.D. Alexandros Dimakis. Human face images generation using Deep Convolutional Neural Networks on Google Tensorflow. Research in Machine Learning, Feature Engineering and Deep Learning, focusing on Adversarial Networks.

### Huawei Shenzhen University

ICT Engineering | Seeds for The Future Program

**Shenzhen, China**

August - September, 2018

4G/LTE base station configuration from remote radio frequency unit (RRU/RFU) and baseband unit for mobile activity data collection. Conversational Mandarin classes taken in Beijing, Mainland China.

## Work Experience

### ZeroFox

Software Developer | Cybersecurity SaaS

**Remote**

March - September 2021

Domain Monitoring and Phishing detection team. Identify and take down domain-based attacks. GoLang, Python, Angular and Terraform with AWS.

### Twenty Billion Neurons GmbH.

Artificial Intelligence Engineer

**Berlin, Germany**

November 2019 - March 2020

Python development of simulation connecting Unity virtual avatar with Deep Learning video recognition algorithm outputs. Led implementation of an in-game functionality, Challenge Mode, under Scrum framework. Proposed, designed and developed a D3.js stateflow interactive graph, used as an internal tool for Product Managers.

### Amazon

Data Science Intern | Supply Chain Fulfillment Acceleration

**Luxembourg City, Luxembourg**

March - September 2019

Software support for Data Scientists at EMEA Fulfillment Acceleration. Focused on Deutsche marketplace.

### Fintual

Software Development Intern | Automatic investment portfolio allocation

**Santiago, Chile**

December 2018 - March 2019

Analysis and visualization of portfolio performance using internal API at YCombinator backed start-up. Directly involved in client engagement and acquisition.

### Santander Bank

Software Engineer and Data Analysis Intern

**Santiago, Chile**

March - September, 2017

Predictive models for Likelihood of Debtor Defaulting forecasting and best interest rate for commercial credits calculation using large customer-behavior databases.

## Research Projects

- Data Mining and Visualization of social media engagements for Sentiment Analysis, with Ph.D. Denis Parra.
- Improving Teaching Methodologies for Introductory Programming, with Ph.D. Pablo Schwarzenberg.
- Member of Social Computing & Visualization Group — [socialcomputing.ing.puc.cl](https://socialcomputing.ing.puc.cl)
- Programmer / Analyst for Dean of the Faculty of Communications. Reports and data analysis for ENEL | Energy company
- Big Data Hackaton contestant, organized by Twitter and Entel, 2016 and 2017.

## Honors & Awards

**The Bridge UC Entrepreneurship Scholarship** — Fully funded experience to San Francisco, USA.

July, 2020

**Huawei Seed for The Future Engineering scholarship** — Fully funded experience to Beijing, China.

July, 2018

**Research Scholarship** — Fully funded experience to Austin, Texas.

July, 2016

**Vanier College Honors** — Montreal, Quebec. Awarded for 4.0/4.0 GPA and public speaking skills.

December, 2012