

ALEXANDER ISRAEL NAVON

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EDUCATION

Pontificia Universidad Católica de Chile

Bachelor's Degree in Engineering

Major in Computer Science and Software Engineering, Minor in Industrial Engineering

2015 – 2019

Santiago, Chile

Instituto Hebreo Dr. Chaim Weizmann

Middle School and High School

Physics Award; Best Score for 2014 graduates in PSU (University Admission Test)

2002 – 2014

Santiago, Chile

EXPERIENCE

Pontificia Universidad Católica de Chile

Teaching Assistant

IIC1103 - Introduction to Programming

Mar, 2018 – Jul, 2018

Santiago, Chile

Ripley Store SpA

Sales Advisor

Laborer internship required as part of my studies of engineering.

Dec, 2017 – Jan, 2018

Santiago, Chile

VOLUNTEERING

Tzeirei - Ami

Volunteer

Youth Movement

2013 – 2016

Santiago, Chile

RELEVANT PROJECTS

Agrobolt App

Mobile application for technology-enabled agriculture developed for agriculture startup Agrobolt.

Project developed for the course "IIC2154 - Workshop: Major-Field Project" at Pontificia Universidad Católica de Chile.

Agile methodologies such as Scrum and Kanban ; Programmed using the React Native framework ; Geolocated data collection ; Visualization of data captured from IoT sensors ; Google Maps API for visualization of data interpolations ; AWS instances for database and intern APIs

Mar – Jul 2019

Slashslash - <https://proyecto-software-grupo29.herokuapp.com>

Forum-styled web-application for users to find different communities.

Project for the course "IIC2143 - Software Engineering" at Pontificia Universidad Católica de Chile.

Programmed using the Ruby on Rails (RoR) framework ; We applied agile methodologies such as Scrum and Kanban ; Docker as a shared development environment ; Postgresql as the database for Active Record

Mar – Jul 2018

Inter-School Sports Leagues Calendarization

Calendarization problem related to inter-school sports leagues.

Project for the course "ICS1113 - Optimization" at Pontificia Universidad Católica de Chile.

Model of a pseudo-real situation relating the context around a school in Santiago, Chile ; Gurobi python module.

Mar – Jul 2018

Marketing plan for mining context startup InDiMin

Marketing plan to increase sales of new innovative product.

Project for the course "ICS3313 - Marketing" at Pontificia Universidad Católica de Chile.

SWOT Analysis ; Porter's 5 forces analysis ; Marketing Mix's 4Ps analysis ; Business Model Canvas ; Financial analysis.

Mar – Jul 2019

SafeKnife-Arduino

Arduino-prototype of a kitchen knife that prevents cuts.

Project for the course "ING2030 - Research, Innovation and Entrepreneurship" at Pontificia Universidad Católica de Chile.

We studied the Chilean context and developed a prototype consisting of a custom made knife that uses an arduino plate. The board is connected to a color sensor that detects a hand using a glove of a certain color. If the hand intersects the path of the cut, the knife lock is released decreasing the power of the impact and preventing the cut.

Aug – Dec 2017

LANGUAGES

Spanish: Native
English: Fluent
Hebrew: Conversant

2015 - Examen de Comunicación Escrita UC (VRA100C)
2015 - Test of English for International Communication (TOEIC)
Learned for aprox. 12 years at school

SKILLS

PROGRAMMING LANGUAGES

Python - 6 years
Ruby - 1 year

JavaScript - 1 year
C - 1 year

FRAMEWORKS

Ruby on Rails
React Native
Django

React.js
Flask
Scikit Learn

TOOLS & TECHNOLOGIES

Git
AGILE
HTML
Bash
Heroku
Cloud
Adobe Photoshop

SQL
Scrum
CSS
PostgreSQL
Amazon
Google Apps
Adobe Illustrator

Web Development
Kanban
LaTeX
MongoDB (NoSQL)
Machine Learning
Microsoft Office

Mobile Development
PMBOK
Markdown
Docker
Arduino
Inventor

RELEVANT COURSES

Software Engineering	IT Project Management
Databases	Workshop: Major-Field Project
Artificial Intelligence	Optimization
Introduction To Programming	Advanced Programming
Discrete Mathematics	Data Structures and Algorithms
Computer Architecture	OS And Networks
Marketing	Accounting and Management Control
Information Systems	Human Behaviour In Organizations
Research, Innovation And Entrepreneurship	Introduction To Management And Organizational Behaviour
Probability and Statistics	Economics
Calculus	Linear Algebra
Graphic Design	

INTERESTS

Web/Mobile Development		Artificial Intelligence		Game Development	
Science	Technology	Gaming	Soccer & Sports	Travelling	Music