ALEXANDER ISRAEL NAVON

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EDUCATION

Pontificia Universidad Católica de Chile   **2015 – 2019**
Bachelor's Degree in Engineering   Santiago, Chile
Major in Computer Science and Software Engineering, Minor in Industrial Engineering

Instituto Hebreo Dr. Chaim Weizmann   **2002 – 2014**
Middle School and High School   Santiago, Chile
Physics Award; Best Score for 2014 graduates in PSU (University Admission Test)

EXPERIENCE

Pontificia Universidad Católica de Chile   **Mar, 2018 – Jul, 2018**
Teaching Assistant   Santiago, Chile
IIC1103 - Introduction to Programming

Ripley Store Spa   **Dec, 2017 – Jan, 2018**
Sales Advisor   Santiago, Chile
Laborer internship required as part of my studies of engineering.

VOLUNTEERING

Tzeirei - Ami   **2013 – 2016**
Volunteer   Santiago, Chile
Youth Movement

RELEVANT PROJECTS

Agrobolt App   **Mar – Jul 2019**
Mobile aplication 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

Slashslash - https://proyecto-software-grupo29.herokuapp.com   **Mar – Jul 2018**
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

Inter-School Sports Leagues Calendarization   **Mar – Jul 2018**
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.

Marketing plan for mining context startup InDiMin   **Mar – Jul 2019**
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.

SafeKnife-Arduino   **Aug – Dec 2017**
Arduino-protoype 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.

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*   **JavaScript** - *1 year*
Ruby - *1 year*   **C** - *1 year*

Frameworks

Ruby on Rails   **React.js**
React Native   **Flask**
Django   **Scikit Learn**

Tools & Technologies

Git	SQL	Web Development	Mobile Development
AGILE	Scrum	Kanban	PMBOK
HTML	CSS	LaTeX	Markdown
Bash	PostgreSQL	MongoDB (NoSQL)	Docker
Heroku	Amazon	Machine Learning	Arduino
Cloud	Google Apps	Microsoft Office	Inventor
Adobe Photoshop	Adobe Ilustrator		

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