Juan Sepulveda

THINK. BUILD. DISCOVER.

www.linkedin.com/in/juan-   www.juanse.azurewebsites.net

BACKGROUND

LI'L INTRO

Driven to make a positive social impact, empower others, and build a sustainable future through research and innovation. Lighthearted tech, D&I, and space enthusiast trained in compassionate leadership and Non-Violent Communication. Creative thinker motivated by passion and empathy for customers. Active member of the Society of Hispanic Prof. Engineers Master at ordering food in three distinct languages: English, Spanish, and Spanglish.

AI PRODUCT MANAGER

6+ years of experience in AI software products including Microsoft Ads, Windows AI Platform, and Microsoft Copilot. I specialize in 0 to 1, turning ideas into shippable products.

DATA & APPLIED SCIENTIST

Proficient in ML data analysis, creating intelligence reports, and visualizing data in PowerBI to drive product and investment decisions - from the lab to the office.

RESEARCH & DEVELOPMENT

Mechanical & Aerospace Engineer, Published first author. Software or physical, I have a long track record of utilizing design thinking in every part of the process of creating a product, including user research and being customer obsessed.

ENTREPRENEURSHIP & INNOVATION

Founded multiple ventures that align financial incentives with climate change solutions and developing innovative platforms for community investment.

EXPERIENCE

AUG 2018 - CURRENT

AI SENIOR PRODUCT MANAGER

MICROSOFT

Bringing Windows to life with AI. Empowered the Copilot revolution. Modernized ads and social impact @ Microsoft advertising.

2020-2023

CEO AND CO-FOUNDER

GREENSEED.VENTURES

Attempted to align financial incentives of everyday people and climate change solutions via crowd investing in community solar, wind, and soil through vertical integration and an easy-to-use platform/app.

FALL 2019

MIRRORHR

MICROSOFT HACKATHON - GRAND PRIZE WINNER, AI FOR ACCESSIBILITY #1 WINNER, HEALTH HACKS #1 WINNER

A way to bring peace of mind — and sleep — to parents whose children suffer seizures. Created Power Bi apps to visualize heart rate data and drive insights to empower parents of children with epilepsy. Real-time vitals monitoring can trigger an alarm when a seizure might be occurring.

SUM 2018

RESEARCHER, FIRST AUTHOR

PRINCETON UNIVERSITY

Conducted combustion research for more effective transport. Published and presented in the AAIA Journal and two combustion conferences. Research focused on minimizing the delay of detonation in micro channels (1mm2) that contributed to the next gen of energy and propulsion technologies.

PUBLICATIONS

KINETIC ENHANCEMENT OF MICROCHANNEL DETONATION TRANSITION BY OZONE ADDITION TO ACETYLENE MIXTURES

2018 — AAIA JOURNAL — 14 CITATIONS

PATENTS

AI ANALYSIS TUNING

AI ANALYSIS UI

AI WINDOWING

CODING SKILLS

Proficient in

C	C#	C++	JS	PYTHON

HTML	SQL

Worked with

JAVA	CSS	TENSORFLOW

SOFTWARE & ANALYSIS

FIGMA	PHOTOSHOP	MATLAB

2015-2017

LEAD ENGINEER

SPACEX HYPERLOOP COMPETITION

Lead a 15-person team, which placed top 10 in 2016 and raised 80K in funding, as systems integrator and lead design engineer.

2017

TECHNICAL MARKETING INTERN

PIXELWARS INC.

Assisted in the acquisition of two new international customers and was featured in state department presentations.

2016

CYBERSECURITY INTERN

PERATON LABS

Developed a GUI in C++ for CyberVAN, an experimentation environment that supports cyber security research through hybrid network simulation for the U.S. Army Research Laboratories (ARL).

2015

ROBOTICS RESEARCH ASSISTANT

PRINCETON UNIVERSITY

· Designed autonomous miniature submarines with magnetic coupling motors, along with an underwater wireless network to improve a testbed for algorithms dealing with coordination and control of networked multi-agent systems.

2011

WEB DEVELOPER

FREELANCE

Freelance Web Designer during High School and College

EDUCATION

2018

MECHANICAL & AEROSPACE ENGINEERING

PRINCETON UNIVERSITY

Double Major | Notable courses taken: Differential Equations, Automatic Control Systems, Probability and Stochastic Systems, Design for Understanding, Thermodynamics, Fluid Mechanics, Engineering Design, Materials Science, Advanced Fluid Mechanics, Statics of Structures, Engineering Dynamics

2018

COMPUTER SCIENCE

PRINCETON UNIVERSITY

Minor | Notable courses taken: Differential Equations, Probability and Stochastic Systems, Algorithms and Structures, Intro to Programming Systems, Computing and Optimization, Intro to Machine Learning, Design for Understanding

2018

ROBOTICS & INTELLIGENT SYSTEMS

PRINCETON UNIVERSITY

Minor | Notable courses taken: Differential Equations, Automatic Control Systems, Probability and Stochastic Systems, Algorithms and Structures, Intro to Programming Systems, Computing and Optimization, Intro to Machine Learning, Eng. Design, Materials Science
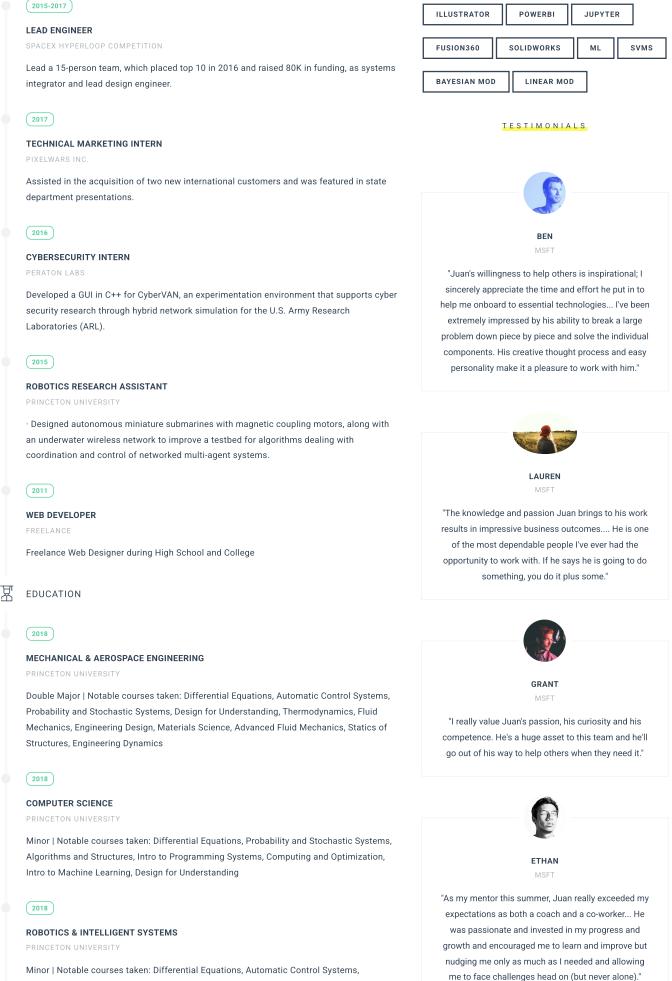
TESTIMONIALS

BEN

MSFT

"Juan's willingness to help others is inspirational; I sincerely appreciate the time and effort he put in to help me onboard to essential technologies... I've been extremely impressed by his ability to break a large problem down piece by piece and solve the individual components. His creative thought process and easy personality make it a pleasure to work with him."

LAUREN

MSFT

"The knowledge and passion Juan brings to his work results in impressive business outcomes.... He is one of the most dependable people I've ever had the opportunity to work with. If he says he is going to do something, you do it plus some."

GRANT

MSFT

"I really value Juan's passion, his curiosity and his competence. He's a huge asset to this team and he'll go out of his way to help others when they need it."

ETHAN

MSFT

"As my mentor this summer, Juan really exceeded my expectations as both a coach and a co-worker... He was passionate and invested in my progress and growth and encouraged me to learn and improve but nudging me only as much as I needed and allowing me to face challenges head on (but never alone)."