Norman A. Toro Vega

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Education

Boston University, B.S. in Computer Engineering, Concentration in Technology Innovation May 2021
Coursework: Entrepreneurship, Business Strategy, Algorithms & Data Structures, Probability & Data Science, Discrete Math
Honors & Awards: Intel Excellence in CS Award, Hispanic Scholarship Fund Scholar, Twitter #FirstFlight19 Selectee

Experience

Spark! Innovation Fellowship | Founder of "My Science Guide" January 2020 - Present

- **Founded "My Science Guide"**, an online research mentorship platform for Latin American high school students
- Drove **product design** in a **cross-functional team of 3** and led **iOS frontend development** using **React Native**
- Conducted **10+ customer interviews and usability tests** for data-driven prioritization in **5+ product iterations**
- Defined and executed the **launch strategy**, driving over **50+ beta sign-ups** and **700,000+ social media impressions**

Puerto Rico Innovation & Technology Service | Product Development Intern June 2018 - July 2018

- Developed innovative **Digital Identity** and **eGovernment** solutions for the **Digital Transformation** Initiative of PR
- Researched key Digital Reform strategies and composed **4 case studies to redesign PR.GOV**, used by **3M+ citizens**
- Navigated meetings with **citizens**, **stakeholders**, and **policy teams** to ideate new ways of designing online services

Intel International Science & Engineering Fair | Award-winning Research Scientist
Programmable System for the Extraction of Hydroelectric Energy June 2016 - May 2017

- **Headed a team research project** for the design of a gravitational water stream system used to produce clean energy
- Incorporated **MATLAB analytics** to study its efficiency and created the prototype **CAD model** using **Fusion360**

Simulating the Radioactive Decay Chain Utilizing MATLAB August 2015 - May 2016

- Programmed a **MATLAB desktop app** that simulates the radioactive decay chain of different isotopes
- Replicated a random decay chain with mathematical functions and decay graphs through isotope half-life analysis
- **Awarded the Intel Excellence in Computer Science Award**

Projects

BlackBerry: Strategic Analysis & Market Insights | Strategic Consultant January 2020 - May 2020

- Developed a team-based project on **Blackberry's market insights** for BU's Strategy in Technology Firms course
- Envisioned **4 strategic recommendations** to revitalize the company's outcome and future as a security provider

FirstAR Care Startup | Chief Technology Officer September 2019 - December 2019

- Led the development of a "mock" **startup** focused on redefining First Aid training using **Augmented Reality**
- Operated the end-to-end startup development process including **product ideation**, developing the business model, understanding the markets, formulating financial plans, **planning roadmaps**, and organizing **company leadership**
- Awarded **runner-up for best pitch** during final presentations

Organizations

Society of Hispanic Professional Engineers | Public Relations Chair January 2020 - Present

- Operate social media branding and outreach for SHPE-BU, focusing on recruitment, engagement, and retention
- Generated an over **50% post reach increase** and **10% follower increase** through collaborations and takeovers

High Performance Computing Club | Co-President November 2018 - Present

- Lead weekly workshops and competitions on **parallel computing** and **C++ & Python** optimization techniques
- **Co-Captain for BU's Student Cluster Competition Team at SC20**, the International Conference for HPC

Skills

Product Management: Agile | Scrum | Design Sprints | JIRA | A/B Testing | Figma | Adobe XD | UI/UX Design | Wireframing
Software Development: C++ | Python | Java | MATLAB | Swift | iOS & Android Development | Web Development | Git