Norman A. Toro Vega

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Education

Boston University, B.S. in Computer Engineering, Concentration in Technology Innovation Expected May 2021
Coursework: Entrepreneurship, Business Strategy, Algorithms & Data Structures, 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 user research, interviews, and usability tests to prioritize user stories throughout 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 to design a gravitational water stream system used to produce renewable 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 simulation of isotope radioactive decay chains through 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 roadmap, developing the business model, analyzing markets, formulating financial plans, planning roadmaps, and organizing company leadership
- Awarded runner-up for best pitch during final presentations

Leadership

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 Team BUHPC at the Student Cluster Competition in 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