Norman A. Toro Vega

939-219-0769 | normant@bu.edu
normant.me | linkedin.com/in/normant | github.com/normantv

Education

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

Skills

Software Development: C++ | Python | Java | MATLAB | Swift | iOS & Android Development | Web Development | Git
Product Management: Agile | Scrum | Design Sprints | JIRA | Trello | A/B Testing | Figma | Adobe XD | UI/UX Design
Languages: English (Native) | Spanish (Native) | Portuguese (Elementary)

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
- Oversee product development, technical implementation, and UI/UX design as Scrum Master leading a team of 3
- Built the iOS frontend using React Native and surpassed 50 user sign-ups in the 1st week social media launch

Puerto Rico Innovation & Technology Service | Innovation Intern   June 2018 - July 2018
- Developed innovative Digital Identity and eGovernment solutions for the Digital Transformation Initiative of PR
- Researched successful Digital Reform strategies used globally and composed case studies for redesigning PR.GOV
- Navigated meetings with citizens, stakeholders, and policy teams to envision new ways of designing online services

Intel International Science & Engineering Fair | 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 design using Fusion360

Simulating the Radioactive Decay Chain Utilizing MATLAB   August 2015 - May 2016
- Programmed a MATLAB application 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 club collaborations and takeovers

High Performance Computing Club | Co-President   November 2018 - Present
- Host weekly hands-on workshops and competitions on parallel programming and code optimization techniques
- Offered lecture on "High Performance Computing Fundamentals with Swift"