

Bernardo Andrés Neuman Guerra

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EDUCATION

GEORGIA INSTITUTE OF TECHNOLOGY, College of Engineering **Atlanta, Georgia**
Bachelor of Science in Mechanical Engineering – Automation and Robotic Systems *August 2017 – May 2021*
Minor in Computing & Intelligence *GPA: 3.89/4.00*

- One of 40 recipients of the \$80,000 Provost Scholarship at Georgia Tech for leadership skills and academic achievement.
- HSF Scholar, SHPE Scholar, BP Scholar, Dean's List, Faculty Honors, OMED Challenge Summer Program (GPA: 4.00)

EXPERIENCE

GENERAL ELECTRIC AVIATION, Intern Program **Batesville, Mississippi**
Legacy Fan Platform Engineering Intern *May 2018 – August 2018*

- Participated in root cause corrective action discussions helping to reduce daily nonconformances by 30%.
- Led the development of the logic theory and physical properties of a PLC-based auto-shutoff system for productional use.
- Implemented a material handling solution for composite ply kits to reduce scrap and potentially save \$5.4 million annually.

INSTATUTORS+ WESTON **Weston, Florida**
Co-Founder/Head Tutor *December 2015 – June 2017*

- Tutored approximately 30 students in chemistry, physics, and all levels of math ranging from algebra to calculus II.
- Mentored high school students to develop a study schedule and become actively involved in extra-curricular activities.
- Oversaw six employees and was responsible for sustaining 75 client relationships through weekly phone calls and meetings.

GT ALUMNI ASSOCIATION, Annual Roll Call Phonathon Program **Atlanta, Georgia**
Phonathon Team Leader *February 2018 – Present*

- Helped collect \$1.2 million in funds for the Roll Call Fund of Georgia Tech by contacting alumni for six hours a week.
- Managed five employees and trained them on proper fundraising and communication techniques for the Roll Call Fund.

LEADERSHIP

GT- SOCIETY OF HISPANIC PROFESSIONAL ENGINEERS, Corporate Recruitment Team **Atlanta, Georgia**
Georgia Tech SHPE Corporate Recruitment Chair *May 2018-Present*

- Recruited GT-SHPE corporate partners, raised about \$60000, and served as a liaison between members and recruiters.
- Organized professional development events, technical workshops, and social networking opportunities for SHPE members.

MCKINSEY & COMPANY, Freshman Diversity Leadership Academy **Norwalk, Connecticut**
FDLA Participant *April 2018*

- Selected to attend a highly selective 3-day program to learn more about the management consulting industry at McKinsey.
- Participated in five real-world mock case studies, four professional development workshops, and two leadership talks.

BEUNICEF CYPRESS BAY **Weston, Florida**
President, Treasurer, Secretary, Freshman Ambassador *August 2013 – June 2017*

- Planned meetings, managed necessary financial activities and events approvals, and organized awareness campaigns.
- Fundraised over \$140,000 in candy sales and donations; recognized nationally as largest club donation in 2016 and 2017.
- Delegated over 1000 members and 30 board members to plan fundraisers, events, and sales to support UNICEF's mission.

PROJECTS

ROBOTIC HUMAN AUGMENTATION LAB, Powered Prosthesis Project **Atlanta, Georgia**
Exoskeleton and Prosthetic Intelligence Control (EPIC) Lab Researcher *August 2018 – Present*

- Worked with SolidWorks to improve the mechanical design of a prosthetic in order to facilitate movement in the knee area.
- Advanced the creation of a user-independent knee and ankle prosthetic to facilitate common tasks for amputated people.

21ST CENTURY SECURITY CHALLENGES, Blockchain Research **Atlanta, Georgia**
Project Member *January 2018 – May 2018*

- Investigated current uses of Blockchain to hypothesize about necessary attributes for successful government utilization.
- Explored potential uses for governments to use Blockchain to resolve new cybersecurity challenges and reduce corruption.

SKILLS/INTERESTS

Technical: MATLAB, SolidWorks, Labview, Java, GD&T, Python, VPython, Microsoft Office Suite

Languages: Native Spanish, Fluent English

Instrumentation: Lathe, Mill, MyRIO, LabQuest, Photogate, Ammeter, Voltmeter, Circuit Boards

Activities: HSF National Leadership Conference, SEO Edge Fellow, GT-SHPE, GT-SAA, GTSF Investments Committee

Volunteer: Camp Counselor at St. Katherine Drexel Catholic Church, Mathnasium Learning, Hispanic Recruitment Team

Interests: Tennis, Soccer, Manufacturing, R&D, Robotics