Gilberto Guadiana

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EDUCATION
Northwestern University, Evanston IL
Bachelor of Science in *Mechanical Engineering*, Minor in *Computer Science*   Expected July 2022
Cumulative GPA: **3.683/4.000**
Honors: Questbridge Match Scholar, Gates Scholar, Greer Scholar
Coursework (by Summer 2020): Electronics Design, Thermodynamics I, Fluid Mechanics I
Data Structures & Algorithms, Discrete Math for CS, Human Computer Interaction

EXPERIENCE
Blockchain Group at Northwestern
President, Evanston, Illinois   May 2019 - Present
- Direct an Executive Team of 6 people that organizes industry speaker talks and club engagements for the Northwestern blockchain community.
- Lead the club's Research Group that identifies and analyzes real-world use cases of blockchain technology and writes articles on their findings with the help of project mentors.
- Learning to deploy decentralized applications and self-executing "smart" contracts on the Ethereum developing platform with the club's Technical Projects Team.

Northwestern's Computer Science Department
Peer Mentor for Intro to Computer Programming, Evanston, Illinois   January 2020 - Present
- Lead tutorial sessions, for 14 students, to review fundamental concepts from lecture and help students actively engage with the material in small groups.
- Hosted office hours, for students working on coding assignments, and taught practices for planning, writing and debugging code.

Mathworks Honors Summer Math Camp Residential
Counselor, San Marcos, Texas   June 2019 - August 2019
- Led a daily, 4 hour study group of 4 high school Number Theory students by encouraging collaboration and iteration while providing graded feedback and instruction.
- Supported a Wolfram Mathematica programming lab by actively helping students debug their code, answering their questions, and helping them work through coding problem sets.

TEAM PROJECTS
Design Through Communication (I, II)
Bead Roller Integration (Northwestern Ford Design Shop)   March 2019 - June 2019
- Designed and built a system for integrating the bead roller into the Ford Design Shop while tackling requirements concerning safety, storage, communal access, organization, and communication.
- Worked with Ford prototyping staff to install the design into the shop for student use.

Mixing Bowl Stand (Shirley Ryan Ability Lab)   September 2018 - December 2018
- Designed a practical stand that secures the bowl at an optimal angle allowing users to remove all batter with one hand for the Shirley Ryan AbilityLab that was adopted for everyday baking.
- Communicated findings through team reports, process documentation, and a final presentation.

ACTIVITIES
Member, **National Society of Hispanic Engineers**   September 2019 - Present
Committee Member, **Academic Committee for Slivka Residential College**   March 2019 - Present
Member, **Northwestern Track Club**   July 2018 - Present

SKILLS
Language: Adept reading, writing, and speaking in Spanish.
Computer: Functional skills in C++, MATLAB, Wolfram Mathematica, Solidity, Word, PowerPoint, Excel.