Asher Gabriella Ciardiello

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EDUCATION

Choate Rosemary Hall, Wallingford, CT   Sep 2020 - May 2024
  GPA: 4.0 unweighted

Cornell University, *College of Engineering*   Aug 2024 - Apr 2028
  Bachelor of Engineering in Mechanical Engineering
  GPA: 4.0 cumulative

AWARDS

2023 World Dean's Finalist in FIRST Robotics Competition (FRC)
2023 World FIRST Championship in Robotics - Innovation in Control Award
2024 World FIRST Championship in Robotics - Quarter-finalist
2024 College Board National Hispanic Recognition Program
2024 Letter of Commendation for the National Merit Scholarship
2024 Recognition in Robotics Excellence Award at Choate Rosemary Hall

EMPLOYMENT HISTORY

Choate Summer Programs, Wallingford, CT   Jun 2023 - Jul 2024
Robotics Teachers Assistant
- Taught over one hundred students in middle and high school robotics courses and workshops on Computer-Aided Design, Computer Numeric Control, engineering principles, coding, vex robotics, lego robotics, and teamwork skills
- Organized lesson plans, graded homework assignments, and fostered a welcoming environment for all students

Eli's On the Hill, Branford, CT   Mar 2024 - Present
Hostess/Server
- Delivered food and beverages, took guest orders, handled payments, and maintained cleanliness in a fast-paced restaurant, demonstrating strong multitasking, attention to detail, and a commitment to outstanding customer service.

Rapid Prototyping Lab, Ithaca, NY   Oct 2024 - Present
Lab Technician
- Operate and maintain various 3D printing technologies and laser cutting equipment, assisting students and faculty with project execution by providing advice on printer selection, effective geometries, and tolerancing for complex 3D printing projects
- Conduct in-person open hours for laser cutting services, ensuring proper material handling and quality design results

EXTRA-CURRICULAR ACTIVITIES

Choate Wild Boars, Wallingford, CT   Sep 2022 - May 2024
Pit Manager
- Oversaw organization and operations in the pit, a confined workspace, for a set number of engineers to repair and construct robots during competitions
- Interacted and communicated with robotics competition judges

CAD Lead/Project Manager
- Organized a three-student team and taught how to develop a functioning subsystem through multiple prototypes and design iterations
- Communicated with subsections of the team to ensure smooth transitions between assembly, machining, electrical, coding, and driving

Technical Documents Lead
- Authored a comprehensive 75-page document detailing technical aspects of our team's processes

First Lego League (FLL) Explorer Division, Wallingford, CT   Sep 2022 - Jan 2024
Lead Volunteer
- Led an annual program comprised of a group of ten to fifteen 6-8 year-olds and created supplemental lessons, assignments, tests, games, slideshows, hands-on activities, and field trips
- Managed weekly sessions, communicated with parents, and organized events to passionately enhance student learning

Choate Rosemary Hall, Wallingford, CT

Robotics club teacher   Sep 2023 - May 2024
- Developed an Intro to CAD curriculum and taught a workshop comprised of 15 students accessible to those of all levels every weekend
- Adapted to diverse learning styles, organized instruction, and engaged students to ensure a fun and comprehensive learning experience

Math Tutor   Sep 2022 - May 2024
- Hosted five open hours a week where I assisted peers with concepts in Algebra I, Algebra II, Geometry, Pre-Calculus, Calculus AB, Calculus BC, and Statistics
- Helped peers grasp complex concepts and improve problem-solving skills while adapting to different learning styles

DEBUT, Ithaca, NY   Nov 2024 - Present
Research and Development Analyst
- Conduct in-depth research on biomedical problems, analyze gaps in innovation and technology, and generate innovative project ideas using computer-aided design programs and various lab spaces for development and testing
- Collaborate with cross-functional undergraduate teams to assess project feasibility, marketability, and patentability

SKILLS

Computer-Aided Design (CAD)	**Technical Writing**	**3D printing**	**Gel Electrophoresis**
Computer Numeric Control (CNC)	**Microsoft Excel**	**Python**	**Photoshop**