

# Aidan Hanna

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## EDUCATION

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### Rensselaer Polytechnic Institute, Troy, NY

December 2023

*Candidate for Bachelor of Science in Electrical Engineering*

- **GPA: 3.74**
- Relevant Courses: Data Structures, Algorithms, Foundations of Computer Science, Electric Circuits, Engineering Probability, Computer Architecture Networking and Operating Systems, Robotics I
- Awards: Rensselaer Leadership Award Scholarship

### Westlake High School, Austin, TX

May 2020

- GPA: 106.5, ACT: 36/36
- Graduated Summa Cum Laude
- Awards: National Merit Commended Scholar, National AP Scholar, AP Scholar with Distinction

## EXPERIENCE

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### Zhang Research Group, Troy, NY

*Research Assistant, January 2022 - Present*

- Develop software to effectively utilize distributed computing capability across CPU, memory, and storage devices, specifically database storage

### Engineering Communications, Troy, NY

*Student Assistant, January 2022 - Present*

- Grade and provide assistance for introductory engineering assignments covering Siemens NX, Microsoft Word and Excel, and Logicworks

### Omega Lab Engineering Design Project, Troy, NY

*Member, January 2021 - May 2021*

- Independently designed and constructed circuitry for a sun-tracking solar panel using exclusively hardware components (primarily operational amplifiers)
- Worked with signal processing at the gate level and conversion between digital and analog signals

### Marching Band, Austin, TX

*Member, August 2016 - May 2020*

- Marched in the 2017 national Tournament of Roses Parade
- Competed in local and state contests in trumpet

### Aggie STEM Honors Program, College Station, TX

*Participant, July 2018 - August 2018*

- Studied the influence of morphology on electrochemical and capacity performance of open-porous structured electrodes in a laboratory setting
- Explored advanced topics in STEM disciplines (statistics, smart systems, and engineering design)

## RELEVANT SKILLS

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- Technical: Proficient in C++, C, Python, HTML, CSS, Javascript, Matlab, VHDL, CAD, LTSpice, PSpice, Logicworks; Familiar with Java, Google Suite; Exposure to Arduino
- Languages: Fluent in English; Conversational in Spanish
- Laboratory: Proficient with multimeters, oscilloscopes, function generators; Familiar with cyclic voltammetry

## INTERESTS

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- Robotics, origami, crocheting, sketching