Matthew Schwarz

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Education

Vanderbilt University, Nashville, TN   **Expected May 2024**
- **GPA:** 3.83 / 4.00 | **SAT:** 1570 (800 Math, 770 Verbal)
- **Majors:** Computer Science | Medicine, Health, & Society
- **Minor:** Economics
- **Relevant Topics:** Object Oriented Programming | Data Structures | Design Patterns
  Discrete Math | Multivariable Calculus | Economic Statistics

Charlotte Latin School, Charlotte, NC   **May 2020**
- **Unweighted GPA:** 4.00 / 4.00
- **Honors:** Cum Laude Society | National Spanish Honor Society | Headmaster's List
- **Activities:** Football | Track

Leadership

Beta Theta Pi, *VP of Finance*, Vanderbilt University   **October 2021 - Present**
- Refounded the fraternity alongside 15 founding fathers
- Directed and managed funds in excess of $10,000
- Maintained the chapter's financial records
- Held weekly Executive Council meetings to discuss and assess fraternity business

Code Ignite, *Teaching Assistant*, Vanderbilt University   **September 2021 - Present**
- Taught ~10 middle school students computer science and problem-solving principles
- Utilized web-based tools such as Scratch to facilitate engagement and learning
- Developed a Java curriculum for middle and high school students

Experience

Morrison Family YMCA, *Camp Counselor*, Charlotte, NC   **June - August 2021**
- Organized fun and educational activities for kids aged 5 to 12
- Responsible for coordinating and safely engaging ~20 campers each day
- Promoted core values to campers including responsibility, respect, and inclusivity
- Facilitated teamwork and communication amongst 50+ counselors

Active Galactic Nuclei, *Research Assistant*, Vanderbilt University   **August 2020 - May 2021**
- Collaborated with four team members in studying supermassive black hole phenomena
- Provided weekly research reports and engaged in problem solving with team members
- Independently developed programs to analyze spectral data sets from quasar observations
- Generated spectral decomposition plots using PyQSOFit

Skills and Interests

Skills: Eagle Scout | SCUBA Diver (75+ Ocean Dives) | Conversational Spanish
Technical: C++ | Python | Java | Swift | HTML | Microsoft Office
Interests: Weightlifting | Nutrition | Camping | Travel