Matthew Udry

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EDUCATION

Yale University, New Haven, CT; Expected May 2022
- Bachelor of Science, Computing and the Arts (Music); GPA (Spring 2020): 3.57
- **Relevant Coursework:** Intro to Systems Programming & Computer Organization; Data Structures & Programming Techniques; Neural Networks & Language; Computer Music: Sound Representation & Synthesis; Special Topics in Music, Multimedia Art, and Technology

International Chinese Language Program, National Taiwan University, Taipei, Summer 2019
- Recipient of Richard U. Light Fellowship
- 10-week intensive Chinese language program

Tremper High School, Kenosha, WI; Class of 2018
- Valedictorian; Cumulative GPA: 4.0
- National AP Scholar (2018), National Merit Scholarship Finalist (2018)

EXPERIENCE & LEADERSHIP

Rockwell Automation, *Intern,* Milwaukee, WI, Summer 2018
- Independently created external program (Microsoft VBA) to complement Rockwell software, increasing speed and program usability when working with complex projects
- Used Rockwell PLC Programming software to design programs for industrial applications
- Designed and assembled virtual interfaces for customers

Low Strung, *Music Director,* 2019 - Present
- Organize and lead weekly rehearsals for student-run, 12-cello touring rock band
- Arrange music and create setlists every semester, fairly distributing parts among group members
- Work with clients to find most appropriate music for each gig
- Assist group President and Business Manager with various management tasks

Yale Undergraduate Admissions Office, *Student Ambassador,* 2019 - Present
- Visit high schools and hold presentations about Yale, applying to college, and navigating financial aid
- Target schools in hometown that may lack resources and encourage high-achieving students to apply

Tremper High School Student Government, *President,* 2016-2018
- Elected President of 150-member student-led volunteering organization
- Oversaw annual Tremper Blood Drive, which broke the record for largest blood drive in Wisconsin
- Revived and organized winter formal, increasing ticket sales by 33% over two years

SKILLS & ABILITIES

Programming Languages: C, Python, HTML/CSS/Javascript, Microsoft VBA, PLC Programming
Tools & Software: Unix/shell, ML (PyTorch), Max/MSP/Jitter, SuperCollider, DAWs, Adobe Illustrator, 3D Printing/CAD Software, Sibelius/Musescore
Foreign Languages: Lower-advanced Chinese, beginner Spanish

ACTIVITIES & AWARDS

Yale Daily News, *Podcast Producer and Sound Engineer, Contributing Writer*
Yale Game Developers, *Music and Audio Programmer*
Yale Open Music Initiative, *Member*
Yale Symphony Orchestra, *Member*

Awards: *Winner,* 2018 Statewide Wisconsin Chamber Orchestra Young Artist Competition; *Semifinalist,* 2017 Fischoff National Chamber Music Competition