

# James David Wishart

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## Education

**University of Michigan, College of Engineering, Computer Engineering, Ann Arbor, MI** May 2023

- **COE Honors Program:** Honors Seminar, Academic Minor, Capstone Project [GPA: 3.96/4.0]
- Courses: Introduction to Logic Design, Introductory Differential Equations, and Programming and Introductory Data Structures
- Michigan Research and Discovery Scholars Living Learning Community
  - Research Project: Real-Time Video Analysis, Principal Investigator: Oliver Kripfgans, PhD

**Ann Arbor Pioneer High School, Ann Arbor, MI** 2015 – 2019

- **National Honor Society** [GPA: 4.0/4.0]
- Relevant AP courses: Physics C: Mechanics, Calc BC, Chem with a lab, Comp Sci A
- Project Lead the Way Engineering Courses: Introductory courses in 3D modeling, isometric drawing, formal documentation, and the Engineering Design Process
- Awards: Southeastern Conference All-Academic Award, Third-highest composite GPA+SAT in HS, Excellence in Computer Science

## Work Experience

**Peer Mentor, Michigan Research and Discovery Scholars Program** Aug 2020 - Apr 2021

- Support first-year students in transitioning to college through regular meetings & events
- Plan and coordinate community-building activities

**Intern, DTE Summer Student** June - Aug 2020

- Work on upgrading control systems for peaker units at DTE substations
- Work in both professional and industrial environments
- Learned about essential infrastructure and its operation

## Extracurricular Activities

**Member, Phi Sigma Pi National Honor Fraternity** 2020 - Present

- Develop professional, interpersonal skills through scholarship, leadership, and fellowship
- Participate in community building and service activities to help those in need
- Member of the Fundraising sub-committee

**Group Leader, Pioneer Solar Group** 2018 - 2019

- Led group in planning and purchasing of solar charger for Pioneer High School
- Learned budgeting and use of official channels
- Developed professional communication skills

**Captain, Varsity Rowing, Pioneer High School** 2015 - 2019

- Four-year varsity letter-winner, led team as a senior co-captain, working with the other captains and coaches to keep the team focused
- Worked as a team to ensure every boat worked as a single unit
- Further developed ability to mediate and anticipate issues

**Eagle Rank (2016), Boy Scouts of America Troop 27, Ann Arbor, MI** 2013 - 2019

- Participated in 100+ hours of service, often in teams, for rank advancement and execution of Eagle project to build an outdoor classroom for St Francis of Assisi Elementary & Middle School
- Served as Assistant Senior Patrol Leader for one and a half years assisting the senior patrol leader with managing the troop and planning activities
- Developed planning and communication skills, ability to communicate and coordinate a team

## Skills

**Java/C++** interest in learning and applying new techniques and programming languages

**3D modeling** using Autodesk Inventor and a willingness to learn new techniques and programs

**Excel** and its associated functions and an interest in becoming more proficient