

Education

- Class of 2023 Vanderbilt University
Graduating in 2023 with:
- Combined M.S./B.S. in computer science
 - B.A. in mathematics, standard track
 - Minor in electrical engineering
 - Current GPA: 3.709 / 4.0
- Class of 2019 High Technology High School

Job Experience

- Feb–June 2019 Software Engineering Intern – Bloomberg
- Using Python, SQL, and JS, wrote an application under consideration for use by Bloomberg users
 - Learned about data analytics using scikit-learn
 - Worked with both back-end and front-end programming
- July–Sep 2018 Ride Operator – Six Flags Great Adventure

Volunteering Experience

- Sep 2019– Team Member – Change++
- Student organization at Vanderbilt that writes code for charities
 - Working with the mayor's office of Nashville to make an app connecting people with food banks
 - Last year, used React to create a web version of The Game Of Rent, a game designed to raise awareness for affordable housing - <https://www.changeplusplus.org/past-projects/project-two-geyef>
- 2017–June 2019 Member – Project Spark
- Worked in a small team to design a programming curriculum taught in 2 schools in India and to teach three 6-week robotics classes at our local library

Other Experience

- Jan 2018–June 2019 Rogue Robotics Club
- 2nd place, Pennsylvania Regionals, Ranger Class, 2018 MATE Robotics Competition
 - 5th place documentation award, Internationals, Ranger Class, 2018 MATE Robotics Competition
 - Elected software lead, 2018–2019
 - ROV Pilot, 2019
- 2018 Splitspace
- Co-wrote an arcade-style Android app using Kotlin
 - 500+ installs
 - <https://play.google.com/store/apps/details?id=com.samalws.splittr>
- June 2019– Uwecode
- Writing a compiler using Haskell for Uwecode, a functional programming language I'm creating
 - <https://github.com/samalws/uwecode2>

Skills

- Linux, BASH
- C, C++
- Python, Scikit-Learn
- Go
- Android app development (Java, Kotlin)
- Web Design (HTML, CSS, JS, React)
- Functional Programming (Haskell, some Scala)
- Some Experience with SQL, cloud computing, electronics