

Race Williams

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Work Experience

- **Harris County Board of Education** – Livestreaming Intern (March 2021 – June 2022)
 - Operated cameras, PCs, & mixers to stream county board meetings; 1/1 BoE student interns; paid in cash, tech skills, & new political perspectives
- **Sheepa** – Co-founder (1/2) and Web Developer (May 2021 - July 2022)
 - Began as a clothing company, morphed into electronics resale and sneaker store. Former clothing website now serves as template and model for SvelteKit webapps
 - Initial investment of \$200, >\$12,000 in total sales; 100% positive reviews
- **NPM Properties** - App Engineer and Assistant Network Manager (May 2022 - August 2022)
 - Remade the interface of tornado warning app TornadoFree in React Native
 - Analyzed the emergency weather app market to find a niche that can separate TornadoFree from competitors
 - Documented current Network Manager's daily tasks so future managers can more efficiently take over the job
 - Began shifting company services from deprecated technologies onto modern frameworks

Education

- **Harris County High School; August 2018 – May 2022**
- **Georgia Institute of Technology; August 2022 - present**
 - Gold Scholarship recipient

Projects

- **RaceWilliams.com**
 - Site serves as both my software engineering portfolio and a platform to distribute my apps
 - Freelance works include prescription drug lookup form, installing SSL certificates, and mood-uplifting web chatbot
 - Open source and personal applications include AlgoTrainer (a CS technical interview question training site), AbstainBot (an anti-addiction AI chatbot), ChemBot (a chatbot implementation of the periodic table), and more
- **STEAMBreak**
 - Started virtual jeopardy-style Capture the Flag competition to increase Harris County School District K-12 participation in STEAM activities despite Coronavirus
 - Wrote >200 individual challenges across the various STEAM disciplines
 - Deployed customized CTFd Docker image via Digital Ocean droplet with Ubuntu and Nginx
- **Harris County Technology Student Association (TSA)** – First Vice President
 - Developed TSA-themed retro Pong game in Python with PyGame as an ice breaker for new members at club meetings
 - Led development of Py1600 (SAT studying app) to win 2nd in state for Software Development
 - Gave Coding lecture at 2021 GA TSA Leadercon; taught a few basic Python concepts and explained parts of Py1600's codebase
- **Harris County Air Force Association CyberPatriot** – Batch/C++ Programmer for Delta Cyberforce
 - Coded security scripts, automating our way to National Gold Tier one year and then National Platinum Tier the next, breaking school record both times
 - Used skills learned in CyberPatriot to create forensic technology problems for STEAMBreak (see above)
 - Earned Tech Caregiver certification to teach basic online security measures in ways easy to understand