

# Daria Shifrina

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## EDUCATION

**University of Chicago - Chicago, IL**

September 2018 - present

*Cumulative GPA:* 3.58/4.0

*Honors/Awards:* Dean's List, Odyssey Scholar, QuestBridge Scholar

*Relevant coursework:* Inventing, Engineering and Understanding Interactive Devices; Emergent Interface Technologies; Inclusive Technology: Designing for Underserved and Marginalized Populations; Discrete Mathematics; Theory of Algorithms; Operating Systems; Honors Introduction to Computer Science Sequence (Haskell & C); Introduction to Linguistics

**Stuyvesant High School - New York, NY**

September 2014 - June 2018

*Relevant coursework:* AP Computer Science, Software Development, Computer Graphics, AP Statistics, Physics C, Calculus BC

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## RELEVANT TECHNICAL SKILLS

- Python, C, MySQL, Git, Java, Haskell, Javascript, HTML, Processing, VR/AR Building experience with Unity, soldering
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## PROFESSIONAL EXPERIENCE

*Research Assistant* || **UChicago Human Computer Integration Lab - Chicago, IL**

October 2019 - present

- Building a software prototype for a thermodynamics based study

*Software Engineering Intern* || **NowPow - Chicago, IL**

June 2019 - August 2019

- Unified backend library dependencies using .NET Framework across all API solutions into a single system to effectively decouple code, create versioning for libraries and packages, and publish NuGet packages to share through TeamCity
  - Established a user feedback system using JavaScript, C#, and NLP by creating comments and ratings functionality for organizations
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## RELEVANT PROJECTS

*Retrace Space* || **SBUHacks**

September 2019

- Uses Python and Google Cloud computer vision and NLP packages with manual web scraping
- Aims to help users monitor their online browsing habits by analyzing facial expression and running sentiment analysis on textual content on screen to help identify subliminally harmful content

*Ice On My Wrist* || **CMSC23220**

June 2019

- Uses Arduino, thermistors, peltier, heatsink, and manually soldered perfboard with FlashForge printing, CAD, and Fritzing
- Regulates skin temperature in the form of a wrist wearable by calibrating a standard for normal skin warmth and cooling or warming it by adjusting current through peltier

*Destress Cyborg* || **Uncommon Hacks - Most Uncommon & Best Use of IoT Device**

February 2019

- Utilizes Muse headband, Google Cloud Compute Engine, DragonBoard, and computer vision
  - Uses real-time brain wave and stress level data to alter a user's sense-experience and mood by replacing or hiding stressors in visual context to potentially manage anxiety and apprehension
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## ACTIVITIES

*Co-VP of Educational Outreach* || **UChicago Society of Women Engineers - Chicago, IL**

June 2019 - present

- Led a chemistry demonstration with liquid nitrogen and taught basic Arduino circuitry to over thirty local Girl Scouts for Girls' Day in STEM

*President* || **Stuyvesant Girls Who Code - New York, NY**

September 2016 - June 2018

- Organized and taught introductory lessons in software application building, systems, and computer hardware to club members to increase exposure and help battle imposter syndrome in tech
- Outreached to women-owned businesses and powerful women figures in varying fields of the tech sector to organize trips and recruit speakers to empower club members