

Melanie Chio



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EDUCATION

Stony Brook University – B.S. Computer Science | GPA: 3.10/4.00

2018 – Expected May 2022

- Relevant Coursework: Data Structures, Programming Abstractions, Object Oriented Programming, System Fundamentals I
- MOOC: Introduction to Computer Science (CS50) – Harvard University, UX Design Masterclass
- Women in STEM & Engineering (WISE) Honors Program, Presidential Scholarship

PROJECTS

Clarity – Ideate 2020

July 2020

- Designed full flow, medium fidelity UI web application to make remote learning accessible for Autistic middle school students
- Researched target demographics to understand the shortcomings of existing technologies and need for product in market

Discover RTC: Data Processing Pipeline – Rewriting the Code

June 2020 – August 2020

- Built full-stack web application using React and Express.js to create continuous student timelines for internal metrics
- Created alternate vertical timeline view for frontend of app and implemented styling across all pages using React and CSS
- Developed data cleaning script using JavaScript and Airtable API to clean 7,000 cells of data to create visualizations which were 78% more accurate and to dynamically populate over 5,000 individual profile pages
- Placed 3rd amongst 20 project teams after presenting to RTC, Morgan Stanley, and Bank of America leadership

No Strings Attached

August 2016

- Developed algorithm through C++ for Arduino Uno's to accept and transfer auditory inputs within a 300-foot radius
- Wired circuits on breadboards to enable buttons to activate communication between two Arduino Uno's
- Collaborated with two team members to present wireless tin can telephones to AIG and Girls Who Code professionals

Other: First Place – AT&T Women in Tech Hackathon 2016, Second Place – JPMorgan Youth in Tech Challenge 2016

TECHNICAL EXPERIENCE

iD Tech Camps, Columbia University – Instructor

July 2019 – August 2019

- Taught JavaScript, Python, C++, cybersecurity, and encryption to cohorts of 8-10 middle school students
- Communicated technical problems and solutions to students of varying background experiences and learning speeds

Oath (formerly AOL) – Intern

July 2017 – August 2017

- Directed 10-minute film and presentation on innovative candidate experience ideas with 4 team members
- Pitched presentation to Head of Global Human Resources who implemented the project for future hiring managers
- Optimized UX/UI features from start to implementation for Huffington Post and BuiltByGirls website and mobile app

LEADERSHIP POSITIONS

Theta Tau Professional Engineering Fraternity – Recruitment Chair

April 2020 – Present

- Executing 2 weeks of virtual events reaching over 50 students to inform them of and persuade them to join the organization
- Collecting feedback and data from brothers to accommodate for technical and logistical shortcomings using Google Sheets
- Designed custom t-shirts, profile picture frames, and 5 unique event banners to personalize the recruitment experience

Odyssey – Content Creator

December 2018 – March 2019

- Published weekly articles garnering over 15,000 total interactions on the Asian diaspora, health & wellness, and lifestyle
- Optimized effectiveness of keyword tags for ideal SEO by monitoring and analyzing traffic performance data
- Assisted with weekly meetings with campus and nationwide editors to better target audience of female college students

RELATED SKILLS

- **Programming Languages:** Java, HTML, CSS, JavaScript, C++, Python
- **Other:** React.js, Figma, Tableau, Office 365