

# Melanie Chio

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## EDUCATION

**Stony Brook University – B.S. Computer Science** | GPA: 3.37/4.00 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

## 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

## PROJECTS

**Student Profiles: Data Visualization Pipeline – Rewrite the Code** June 2020 – Present

- Building data processing pipelines to create continuous student timelines using Tableau dashboards and ArcGIS
- Facilitating meetings between cross functional teams to coordinate projects iteratively with considerations and constraints
- Documenting and presenting security, engineering, and design guidelines for stakeholders impacted by project

**Let's Cruz – JPMorgan Youth in Tech Challenge (Second Place)** October 2016

- Created wireframe for Victor Cruz Foundation for an application integrating STEM learning, sports, and augmented reality
- Implemented concise and consistent button-press effects and transition animations for intuitive UX using MockUp

**Get 'n' Give – AT&T Women in Tech Hackathon (First Place)** September 2016

- Built website to connect users with companies who donated a portion of their earnings to charities
- Utilized Bootstrap and CSS to design optimal frontend functionalities and to ensure consistent UX/UI across site

**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

## LEADERSHIP POSITIONS

**Theta Tau Professional Engineering Fraternity – Rush Chair** April 2020 – Present

- Updating and organizing event information (budgets, supplies, timelines) three months ahead through Notion workspace
- Actively communicating with campus administration and fraternity's executive board to find locations and times for events

**Odyssey – Content Creator** December 2018 – March 2019

- Published weekly articles garnering over 100,000 total interactions on lifestyle and Asian cultural awareness
- 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:** Tableau, Office 365