Melanie Chio

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EDUCATION

Stony Brook University – B.S. Computer Science   Expected May 2022
- Women in STEM & Engineering (WISE) Honors Program
- **Relevant Coursework:** Intro to Object Oriented Programming, Data Structures, Programming Abstractions
- **In Progress:** System Fundamentals I, Theory of Computation

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
- Planned and designed teaching material adapted to students of varying background experiences and learning speeds

Oath (formerly AOL) – *Intern*   July 2017 – August 2017
- Directed 10-minute film and presentation on enhancing candidate experience for HR department 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
- Attended workshops in business etiquette and networked with professionals from internal technology and marketing brands

Gifts of Awesome (Non-profit) – *Web Developer*   January 2017 – April 2017
- Identified and fixed bugs and inconsistencies using HTML5, CSS, and JavaScript
- Designed and developed pages on "The Hub" to support multimedia functions to garner more traffic

LEADERSHIP POSITIONS

Theta Tau Professional Engineering Fraternity – *External Professional Development Chair*   January 2020 – Present
- Executing professionalism workshops on topics such as interview and internship readiness for audiences of over 100 students
- Actively communicating with on-campus organizations such as the Career Center to find optimal space and time 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
- Pitched ideas to campus and nationwide editors to better reach intended target audience of female college students

PROJECTS

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 local deals from 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 Ardunio Uno's
- Collaborated with two team members to present wireless tin can telephones to AIG and Girls Who Code professionals

RELATED SKILLS

- **Programming Languages:** Java, HTML, CSS, JavaScript, C++, Python
- **Languages:** Conversational Chinese, Beginner Spanish