

RYAN SIU

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EDUCATION

University of Michigan, Ann Arbor, MI

September 2018 - Present

Bachelor of Science in Computer Science

Courses: Programming and Introductory Data Structures, Multivariable Calculus, Entrepreneurial Design (Internet of Things)

Stuyvesant High School, New York, NY

September 2014 - June 2018

Stuyvesant Honor Society

Courses: AP Computer Science + Data Structures and Algorithms, Software Development, Systems Level Programming, Computer Graphics, AP Statistics

EXPERIENCE

Morgan Stanley, New York, NY

Business Analyst Intern — July 2018 - August 2018

- Redesigned a web application UI with Angular to handle segregation of duties (SoD) review inside the firm, allowing reviewers to more intuitively, efficiently, and effectively navigate the UI and perform reviews
- Drafted mockups with Angular for the UI of a new web application to handle SoD rule management, simplifying the interface for ease of use and giving administrators more flexibility when creating new rules

Horizons Summer School Electronics Class, Brooklyn, NY

Teacher/Mentor — July 2017 - August 2017

- Founded course and designed four-week curriculum to introduce a class of 7 middle schoolers to STEM
- Taught about Arduino, basic electronic components, and programming in C++ with project-based lessons. Students created final projects (such as a music player and a Simon Says game) showcasing their knowledge. At least one student continued to pursue electronics in high school, joining a FIRST Robotics Competition team.

PROJECTS

Remembrall

<https://github.com/siuryan/remembrall> — July 2018 - Present

- Open source WearOS to-do list app, allows user to view their daily items and syncs with Todoist on web and mobile

Simplicity

<https://github.com/siuryan/Simplicity> — May 2016 - June 2016

- Airline simulator game written in Java and Processing; collaborated with two teammates for Data Structures class final project

ACTIVITIES

Stuyvesant Honor Society (ARISTA), New York, NY

VP of Web Development — June 2016 - May 2018

- Developed new features, such as online essay editing, for the organization's website. Online essay editing was implemented using Google Drive API and OAuth; users authorized the web app's service account to share essays as a Google Doc with a tutor, and tutors added comments and suggestions on Google Docs.
- Assembled and managed 10-person committee to maintain and update the website
- Coordinated Parent Teacher Conferences by assigning 300 volunteers based on student/teacher requests and preferences

FIRST Tech Challenge Team 310 (Stuy Fission), New York, NY

Head of Software Engineering & Lead Driver — September 2014 - June 2018

- Wrote Java programs to control driver-controlled and autonomous robots with sensors and computer vision for competition
- Built and launched team website/blog in Jekyll to expand outreach and wrote 2 scouting web apps (one using Jekyll, one using Flask/Python) for collecting data to strategize during competition

SKILLS

Computer Languages
Tools

Proficient: Python, Java
Ubuntu, Emacs, Arduino, 3D printing

Familiar: C, C++, Javascript
Android Studio, Terminal