

RYAN SIU

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EDUCATION

University of Michigan, Ann Arbor, MI

September 2018 - December 2021 (expected)

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

July 2018 - August 2018

Business Analyst Intern

- Redesigned an obsolete web application UI with Angular and Material Design to handle review of segregation of duties (SoD) inside the firm, allowing reviewers to more intuitively navigate the UI
- Drafted mockups with Angular and Material Design for the UI of a new web application to handle SoD rule management; developed a simpler interface and gave administrators the ability to create additional types of rules

Horizons Summer School Electronics Class, Brooklyn, NY

July 2017 - August 2017

Teacher/Mentor

- 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

July 2018 - Present

<https://github.com/siuryan/remembrall>

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

Simplicity

May 2016 - June 2016

<https://github.com/siuryan/Simplicity>

- 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

June 2016 - May 2018

VP of Web Development

- 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

September 2014 - June 2018

Head of Software Engineering & Lead Driver

- 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