Crystalwang.me
Elmhurst, NY

Crystal Wang

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EDUCATION

Massachusetts Institute of Technology   *BS in Computer Science, Economics, and Data Science anticipated May 2023*
Stuyvesant High School   *Stuyvesant Diploma June 2019*
- SAT: 1590 (800 Math, 790 English); Cumulative GPA: 96.69/100
- Relevant Coursework: Introduction to Computer Science 1 & 2, AP Computer Science A, AP Calculus BC, Multivariable Calculus, Systems Level Programming, Complex Analysis, AP Macroeconomics, AP Microeconomics, AP Physics C

EXPERIENCE

Bloomberg LP | *Software Engineering Intern*   June 2019 - Present
- Created scripts for producers and consumer groups that use a Kafka-based pipe in order to index MIFID trades to Solr
- Formulated an automated metrics collection system to consistently gauge performance and alert users in case of an error

SciSquare | *Associate Developer*   May 2019 - Present
- Programmed a citation search tool using SQL and HTTP requests to accumulate research papers that used each product
- Implemented the search tool into the existing front-end using ReactJS, HTML, and CSS

Bloomberg LP | *Software Engineering Intern*   July 2018 - August 2018
- Designed and coded a system to index complex financial logs into an online database for fast querying
- Developed a front-end component to visualize the logs for data aggregation, searching, charting, etc.
- Discovered an error in the NASDAQ FIX communications and protocol that interfered with compliance actions

StuyHacks Hackathon | *Sponsorship Department Member, Logistics Department Member*   September 2017 - June 2019
- Organized sponsors and funds from companies to fund four hackathons with 300+ attendees
- Led technical workshops, worked alongside organizations, and managed event operations

HONORS

Computer Science & Mathematics
- 2019 Henrietta O. Midonick Award for Excellence in Mathematics   June 2019
- National Center for Women & Information Technology (NCWIT) Computing Award: Affiliate Winner   February 2019
- NCWIT Computing Award: National Honorable Mention   January 2019
- 5th Place at St. Joseph's College Programming Competition   May 2018
- 3rd Place at University of Pennsylvania PClassic Programming Competition, Standard Division   April 2018
- Gold Medal at New York City Math Fair   March 2017

Economics & Finance
- 2019 Jane Street Estimathon Winner   July 2019
- 2019 New York Economics Challenge State Winner   April 2019
- 2019 High School Fed Challenge, Liberty Street Division Semifinalist   April 2019
- 2018 Bloomberg Market Concepts Certification   August 2018

Other Merits
- The Walter P. and Lydia Hendricks Memorial Scholarship for Excellence in Social Studies   June 2019
- Stuyvesant Honor Society Outstanding Contribution to the Executive Council   May 2019
- 2019 Presidential Scholar Qualifier   January 2019
- 2019 National Merit Scholarship Semifinalist   September 2018
- National History Day State Finalist   April 2018

LEADERSHIP

Stuyvesant A Cappella Club | *President*   June 2018 - June 2019
ARISTA (Stuyvesant High School Honor Society) | *Vice President of Operations*   May 2018 - May 2019
SING! Musical Competition | *Chorus Director*   February 2016 - February 2019
Stuyvesant Madrigal Choir | *Soprano Section Leader*   September 2015 - June 2019

SKILLS

- **Languages:** Proficient in HTML, CSS, C, Java, Python; Experienced in C++, JavaScript, Scheme
- **Other:** Familiar with Eclipse, Atom, Emacs, VSCode, Excel, SQL, Apache Solr, Apache Kafka, ReactJS, XML Schema