

JENNY XU

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EDUCATION

Stony Brook University (SBU)
B.S IN COMPUTER SCIENCE (CS)
Stony Brook, NY | Expected May 2021
GPA 3.7/4.0

Brooklyn Technical High School (BTHS)
MAJOR IN CS
GPA 3.7/4.0
Brooklyn, NY | June 2013 – June 2017

COURSEWORK

- Computer Science I: Object-Oriented Programming
- Computer Science II: Data Structures
- Computer Science III: Project Design

LANGUAGES

Proficient: Java • JavaScript

Experienced: HTML • CSS • Python
Android

Familiar: C# • PHP • SQL
Others: Fluent in Mandarin Chinese

TECHNOLOGIES

Experienced: NodeJS • JQuery • Sales
Arduino • Bootstrap • MongoDB • Git
Jade • Express • Google Cloud APIs

Familiar: ReactNative • React • Ionic
AutoCAD • Circuit • Unity • Azure
AWS • JavaFX • Yelp Fusion API

LEADERSHIP ACTIVITIES

CO-CAPTAIN, STARTER | Varsity Badminton
2013 – 2017, BTHS | 2017 – Present, SBU

- New York Public Schools Athletic League (PSAL) 2014 and 2015 Champions. Coach's favorite 2015.
- Played as Second Doubles and Co-Captain. Lead warmups, and trained new players.
- Participate in SBU Badminton practice four times per week.

TEAM LEAD | SBU Entrepreneurship Society
February 2018 – Present, SBU

- Leads Product development team, supervise project development by meeting with project teams weekly.
- Currently supervises five projects. Preparing them for competitions and pitch to VC.

PROJECTS

THETA TAU WEBSITE | THETA TAU July 2018

- Developed a website from scratch, coded in Node JS with Jade as templating engine, using front end libraries bootstrap, materialize and skeleton framework.
- Pages are fully dynamic, data loaded in JSON format using AJAX in JQuery.

DATA VISUALIZER | SBU February 2018 – May 2018

- Developed a JavaFX application to visualize dynamic data from user input.
- Used multithreading to allow user input while program plots data, reflection to dynamically load classes and instances, JUnit testing, and JavaFX GUI implemented in MVC framework.

ACTIVITIES RECOMMENDATION APP January 2018

- Developed an Android application that recommends nearby restaurant and activities.
- Used Yelp's fusion API and Google's Geolocation API.
- Learned to structure project with Android's multithreading engine, specifically creating separate threads for different backend computation and asynchronous programming.

VRBIND, VR APPLICATION | YHacks 2017 December 2017

- YHacks 2017 Top 8 hacks, special mention for best emotion detection hack.
- Coded an VR and AR combined app in C# using Azure's speech API, Google's translate API, Leap motion, and Unity being the front end.
- An app that translates speech real-time and displays the subtitles in Oculus Rift.
- Worked in team of three. I tested and integrated all the APIs in C#.

CHEMICAL REACTION MONITOR | BTHS April 2016 – May 2017

- 2016 Siemens Research Competition Semi-finalists, 2016 NYCSEF 1st Award Winner, Columbia Research Scholars Journal Finalists.
- Invented a device that monitors chemical reactions by detecting density changes in reaction fluids using ultrasound technology, to optimize product yield and purification time.
- The device consisted of data processing program coded in Python, 3D printed parts, Ultrasonic sensors, amplification circuit, and Arduino. I learned them independently.
- I contacted mentors and recruited teammates. Lead a team of three by leading experiments, meetings and gathering materials. A younger group now inherits my project.

EXPERIENCE

SALES CONSULTANT | BestBuy, Computing April 2017 – Present

- Achieved 1st place in revenue among part-timers with \$1000/hr average. MVP June 2017.
- Engage customers by using sales skills to build solutions in a fast-paced environment.

MAIN CODER | Startup Tech Summer Intern June 2016 – September 2016

- Full-stack developer, integrated Google's Places, Locations API into a scavenger hunt web app that encourages users to explore NYC landmarks.
- Placed 1st place in Demo night competition and received \$5000 award.

PROGRAMMER, ELECTRICAL | Varsity Robotics
2015 – 2017, BTHS | September 2017 – Present, SBU

- Semifinalist in 2017 FIRST Robotics. 2nd place in SBU Robotics Internal Competition.
- Brooklyn Tech Robotics programmer and electrical engineer.
- Integrated Arduino sensors and circuits. Helped main programmer by integrating FRC Events API on a web app that analyzes events data for choosing the best allies.

VICE PRESIDENT | BTHS Varsity Physics
2015 – 2017, BTHS

- US Representative in IYPT 2016 (an International physics tournament battling experiments), participant of USAPhO.
- Work with President to organizing meetings, activities and events. work with treasurer and advisor to gather experiment materials.