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Plainview, NY 11803

JUSTIN CHIU

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EDUCATION

Stony Brook, NY	**Stony Brook University**	**August 2015 – May 2019**

- Bachelor of Science in Computer Science
- Undergraduate Coursework: Object-Oriented Programming; Data Structures and Algorithms; System Fundamentals I; Applied Linear Algebra; Discrete Mathematics; Calculus II; Finite Mathematical Structures; Survey of Probability and Statistics.

Bethpage, NY	**Bethpage High School**	**September 2011 – May 2015**

- Advanced Regents High School Diploma and Mastery in Math
- Quarterly Gold Honor Roll Achievements

PROGRAMMING PROJECTS

Social Media Improvement Program (Java, JavaScript, HTML, CSS) — **September 2016**

- Incentivize reporting through a community policing platform that gives the user badges for consistently having good behavior and using our tribunal system.
- Used the Twitter API to query for key phrases in tweets and exported our user/Twitter data to a JSON file using Java.
- Designed the Tribunal using HTML and CSS and implemented the UI with Javascript by adding buttons and prompting the user with a pop-up message saying the process has been completed.

City-Survival (Java) — **February 2016**

- A reproduction of the game "Forbidden Desert" using Java, where the player interacts with a GUI to perform their move.
- Applied the JavaFX library to create the GUI and add buttons and choice boxes for the user to interact with.
- Implemented multiple classes including Board, Cards, Equipment, Player, and Tile to keep track of and update the game state.

Wheel of Fortune (Java) — **December 2015**

- Programmed a simulation of the game "Wheel of Fortune", where the player plays against a CPU.
- Utilized File I/O in order to extract phrases from a text file and prompt the player with a hidden phrase using underscores.

ADDITIONAL EXPERIENCE AND AWARDS

Hackathons (Student Hacker) — **September 2015 - Present**

- Actively participate in hackathons such as HackCooper and HackNY, attend workshops, and collaborate with peers on projects to improve programming skills.

National Honor Society (Member) — **September 2013 - June 2015**

- Tutored students of Bethpage from grades six to twelve.

High School E-Sports Club (Co-Founder) — **September 2013 - June 2015**

- Organized multiple tournaments with various prizes for students of Bethpage.

Robotics (Member) — **September 2013 - June 2015**

- Helped design and develop a robot to shoot a basketball in a hoop for a local competition

Languages and Technologies

- Proficient: Java, MIPS
- Experienced: Javascript, HTML, CSS, Python, LaTeX, SML/NJ
- Technologies: GitHub, NetBeans, MS Office, MARS, JSON, Blender