

# Arun Bhardwaj

Email : arun.b.95@gmail.com  
Mobile : (516) 320-3900  
www.github.com/arunbhardwaj

## EDUCATION

---

### New York University(NYU), New York

*B.A. Chemistry; Minors in Math and Computer Science; GPA: 3.7*

New York, NY

*Aug. 2013 – May. 2017*

## EXPERIENCE

---

### Queens Village Medical Center

*Day Operations Manager*

Queens Village, New York

*May 2017 - Present*

- Delegated tasks to assistants to fill out, send and verify prescription orders
- Analyzed, examined and compiled financial records to visualize business expenditures and potential areas of growth
- Hired and trained a new physician assistant to perform spirometry, EKG and other health examination procedures

### Private Academic Tutor

*Tutor for Chemistry, Math, & Physics*

New York, New York

*Sept 2014 – April 2018*

- Worked with high school and undergraduate students to improve comprehension and academic performance in calculus, organic and inorganic chemistry, and general physics
- Reviewed homework assignments and examination questions to focus necessary areas for improvement
- Prepared customized lesson plans and problem sets according to student difficulty areas

### NYU

*Research Assistant*

New York, New York

*July 2014 – August 2014*

- Assisted with research on unusual DNA structures for potential nanotechnology integration
- Purified and extracted DNA strands required for analysis
- Analyzed synthetic DNA structures using X-ray crystallography and molecular modeling software

## PROJECTS

---

- **Markov Text Generator:** Developed a Markov Text Generator, whose objective was to take text from a user input and generate different Markov order texts- multi-char, one, two, up to n-word order approaches. Used hashmaps for storing keys of follow words, which greatly improved time-complexity.
- **Earthquake Map Visualizer with GUI:** Developed an app for gathering and parsing earthquake data from the USGS.gov database and to display them on a map using Google Maps API, with added mouse functionality for improving UX.

## ACHIEVEMENTS AND RESPONSIBILITIES

---

- **Sophomore Cohort President:** Elected by a individual cohort of sixty students to organize and host small-scale events for our cohort. Managed a \$3400 budget to be spent on small-scale cohort events, achieving an increase in class attendance from the previous year. Additionally, collaborated with the Class Activities Board to organize and host class-wide events for sixteen-hundred students.
- **University Honors Scholar/Founders' Day Award**

## SKILLS

---

**Proficient:** Java, C/C++, Data Structures and Algorithms

**Comfortable:** Python