

# Shivasuryan Vummidi

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## Education

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| Stony Brook University (3.99 GPA, Dean's List, working towards a BS in Biochemistry)   | <b>8/2018 - present</b>   |
| <ul style="list-style-type: none"><li>- Minors in Chemistry and Writing &amp; Rhetoric</li><li>- Honors College, top 2-3% of students</li><li>- Teaching Assistant<ul style="list-style-type: none"><li>o CHE 331 (Molecular Science I), Spring 2020</li></ul></li><li>- Full Member of the Gamma Sigma Epsilon National Chemistry Honor Society</li><li>- Provisional Member of the Sigma Beta Honor Society</li><li>- Member of the Academic Judiciary Committee</li><li>- Studied Abroad in Florence, Italy</li><li>- Science Olympiad:<ul style="list-style-type: none"><li>o Treasurer</li><li>o Supervised the Protein Modeling Division C event at LISO Invitationals</li><li>o Created, proctored, and graded examinations for Division B and C regional and invitational competitions</li></ul></li><li>- Stony Brook Odyssey: Creator, 67 published articles</li></ul> | <b>1/2020 - present</b><br><b>inducted 11/19/2019</b><br><b>1/2/2019 – 1/19/2019</b><br><b>9/2018 – present</b><br><b>5/2019 – present</b><br><b>12/2019</b><br><b>5/2018 – 10/2019</b> |
| Hunter College's College Now Program (4.00 GPA, dual enrollment)   | <b>1/2017 – 8/2017</b>  |
| Harvard University's Secondary School Program (4.00 GPA, summer coursework)  | <b>6/2016 – 8/2016</b>  |
| Stuyvesant High School (95.38/100 average, Advanced Regents Diploma)   | <b>9/2014 – 6/2018</b>  |

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## Publications and Posters

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| - "Feedback signaling networks mediating MET and EGFR inhibit cooperation in NSCLC" <ul style="list-style-type: none"><li>o Poster presentation at the Kushner Retreat at the Stony Brook University Cancer Center</li><li>o First author</li></ul> | <b>11/21/2019</b> |
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## Research Experience

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|--|--------------------------|
| - Researcher at Stony Brook Medicine under John D. Haley, Ph. D <ul style="list-style-type: none"><li>o Analyzing the molecular mechanisms of simultaneous Crizotinib and Erlotinib action on non-small-cell lung carcinoma cells by knocking down genes in conserved mitogenic pathways</li><li>o Proficient in tissue culturing, transfecting mammalian cells with siRNA, running dot blots, Western blots, and analyzing data with Excel.</li></ul> | <b>10/2018 – present</b> |
| - Intern at the Ro Lab, CUNY Graduate Center <ul style="list-style-type: none"><li>o Pre-processed EEG and MRI data for doctoral and postdoctoral students using EEGLAB and FreeSurfer</li><li>o Proficient in artifact rejection and MRI model optimization</li></ul>   | <b>7/2017 – 4/2018</b>   |
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## Clinical Experience

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|--|------------------|
| - Probationary Member at Forest Hills Volunteer Ambulance Corps <ul style="list-style-type: none"><li>o Currently undergoing dispatcher training</li></ul>   | <b>present</b>   |
| - Certified New York State EMT-Basic, Stony Brook School of Health Technology and Management <ul style="list-style-type: none"><li>o Certified on <b>8/15/2019</b>, expires on September 2022.</li></ul> | <b>200 hours</b> |
| - Volunteer at Stony Brook University Medical Center (physical therapy/outpatient)   | <b>65 hours</b>  |
| - Shadowed Mohan Thummalapalli, MD, Chesapeake Pediatrics and Adolescent Associates  | <b>50 hours</b>  |
| - Volunteer at Elmhurst Hospital Center (geriatric care)   | <b>100 hours</b> |

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## Work Experience

- Peer Tutor at the Academic Success and Tutoring Center, Stony Brook University **2/2019 - present**
  - o Tutoring Calculus A, Calculus B, Calculus 1, Molecular & Cellular Biology, Cellular & Organ Physiology, and Organic Chemistry 1 & 2
  - o Served underrepresented students at Stony Brook for free
  - o CRLA Level 1 Certification (working towards Level 2)
- Peer Tutor at the Residential Tutoring Centers, Stony Brook University **2/2020 - present**
  - o Tutoring Organic Chemistry 1 & 2
  - o Served underrepresented students at Stony Brook for free

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## Awards/Honors

- Stony Brook Academic Achievement Award **2020**
- Stony Brook Center for Prevention and Outreach UpStander Award **2018**
- Highest Honors – Stuyvesant High School Science Olympiad Excellence in Academic Competition **2018**
- Honors in Biology Electives – Stuyvesant High School Molecular Science & Genetics **2018**
- Semifinalist for the USA Biology Olympiad **2017, 2018**
- USA National Chemistry Olympiad Competitor **2018**
- Silver Medalist – National Spanish Exam **2017**
- Science Olympiad Medalist (16 medals, four 1<sup>st</sup> place, four 2<sup>nd</sup> place) **2015 – 2018**
- Represented Stuyvesant High School at the Lasker Awards ceremony **2015**

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## Other Skills and Experiences

- Trained in Red Watch Band, Green, Dot, QPR Bystander Intervention, CPR, and First Aid
- Certified Teaching Assistant in Mindfulness-Based Stress Management, Stony Brook Medicine
- Volunteer at American Cancer Society **50 hours**
- Proficient in Intermediate Spanish
- Proficient in Python, Java, HTML, JavaScript