

Timothy Vu

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EDUCATION

- **Thomas Jefferson High School for Science and Technology** Alexandria, VA
High School Diploma; GPA: 4.436 Sep. 2016 – Jun. 2020
 - **Activities and Societies:** Mobile Apps Club (Treasurer), Model UN, Class Council (Vice President), Vietnamese Student Association (President), Chemical Analysis Research, Cross Country/Track
 - **Relevant Coursework:** AP Chemistry, AP Computer Science A Plus Data Structures, AP BC Calculus, Mobile/Web Development, Physics Honors, Organic Chemistry, Research Statistics, Advanced Marine Biology, AP Biology, Design and Technology

WORK/SERVICE EXPERIENCE

- **United States Naval Research Laboratory** Washington, DC
Research Intern June 2019 - August 2019
 - **Science and Engineering Apprenticeship Program (SEAP):** One of 250 students nationwide selected for an 8 week, paid 8-week research internship in material sciences at naval research laboratories
 - **Chemical Analysis:** Worked with Fourier Transform Infrared (FT-IR) and Raman spectroscopy techniques to construct a library of forensic materials for researchers at NRL and used to detect trace samples of narcotics and explosives
 - **Data Analysis:** Worked with both Microsoft Office and Origin to perform data operations/analysis on research results
 - **Scientific Writing/Presentation:** Gave a presentation on findings to a panel of distinguished guests and NRL scientists. Published a formal research report explaining results.
- **Wesley Housing Development Corporation** Falls Church, VA
STEM Enrichment Program Director June 2018 - August 2018
 - **Curriculum Design:** Led a team of six volunteers to design an 8 week summer camp program for low income elementary-aged children teaching basic chemistry, biology, and physics through hands-on activities
 - **Instruction:** Taught thirty students, grades 1-6, with lectures, hands-on experiments and computer activities
- **Reston Association** Reston, VA
Lifeguard May 2018 - October 2018
 - **Certification:** Red Cross Lifeguard, CPR, and AED Certification
 - **Leadership:** Responsible for keeping all guests safe by enforcing pool rules, maintaining proper pool chemistry, and maintaining a clean and friendly pool environment
- **Self-Employed** Oakton, VA
Math/Science Tutor September 2017 - Present
 - **Teaching:** Tutored students from 2nd to 12th grade in mathematics up until calculus and science classes including chemistry, biology, physics, and computer Science.

SKILLS/AWARDS

- **Programming Languages:** Java, JavaScript, HTML, CSS, SQL, PHP, Python, MatLab
- **Engineering Design:** AutoCAD, Onshape
- **Research Techniques/Software:** Raman spectroscopy, Infrared Spectroscopy, Gel Electrophoresis, Microsoft Office, OriginLab
- **Proficient in:** English, Vietnamese
- **Awards:** National Merit Semifinalist, Athletic Honor Roll, AP Scholar with Distinction