

# Abraham Spitalny

## OBJECTIVE

---

Tireless worker and unconventional thinker with stellar analytical, communication and executive skills and a strong willingness to learn and improve. Eager for the opportunity to explore potential avenues of research, develop new skills and gain relevant work experience.

## EDUCATION

---

- **Bachelor of Science in Physics & Computer Science; GPA: 3.970 / 4.0** Jan. 2016 – Current  
*Stony Brook University* *Stony Brook, NY*
  - **Honors:** Dean's List (Spring 2016 - Spring 2017), member of Sigma Pi Sigma Physics Honor Society, Academic Achievement Award
  - **Relevant Coursework:** Quantum Physics, Data Structures, Electronics Laboratory, Analysis of Algorithms

## EXPERIENCE

---

- **Software Engineer** Jun. – Aug. 2017, 2018  
*TrueHabit* *Inwood, NY*
  - **bosslistr:** Created a custom inventory and listing program for an e-commerce business. Analyzed business operations, outlined how our program is going to meet operational needs, helped design the system to use a micro-service architecture, and implemented the backend of the web application in Node.js using MongoDB as our database. Collaborating with other developers gave me vital communication skills and working in a dynamic, high-stakes business environment taught me how to be flexible and multitask.
- **Teaching Assistant** Jan 2017 - May 2017  
*Stony Brook University* *Stony Brook, NY*
  - **Teaching Assistant - Object-Oriented Programming:** Required to hold a lab session and office hours where I answered students' questions and explained fundamental principles of computer science, specifically object-oriented programming concepts in Java. Teaching such a course strengthened my knowledge of computer science and taught me how to be responsible and manage a group of people.

## SKILLS

---

- **Programming Languages:** Java, C, Javascript, Python, SQL, MIPS
- **Technologies:** LaTeX, GCP, Nginx, RabbitMQ, MySQL, MongoDB, Linux, CSS, HTML

## INTERESTS

---

- Project Euler (solved 78 problems)
- CTF challenges and hackathons (won third prize in 2018 Penn State Cybersecurity Competition)