

PETER ZENG

✉ peterateast@email.com | 🔗 <https://peterzeng.github.io/> | 🌐 peterzeng

EDUCATION

Stony Brook University

Feb. 2021 - May 2022

M.S. in Computer Science

- **Relevant Coursework:** Computer Vision, Data Visualization

Stony Brook University

Sep. 2017 - May 2021

B.S. in Computer Science

GPA: 3.52/4.00

- **Awards/Scholarships:** Dean's List, Presidential Scholarship, National Merit Scholarship
- **Relevant Coursework:** Machine Learning, Statistics for Data Science, Computational Geometry, Systems, Computer Networks, Algorithms, Software Engineering, Theory of Computation, Natural Language Processing

SKILLS

Programming Languages:	Java, Python, Javascript, C, MIPS Assembly
Technologies:	React, MongoDB, Git, Linux-Shell, OpenCV

PROJECTS

waveback (Fall 2020)

Playlist Creation/Playback Web Application

- Developed in a team of 3 a playlist creation/playback web application written in mainly Javascript, designed using the MERN stack, as well as the official Spotify API, over the course of 3 months

Button Mashers (SBUHacks 2019)

Educational Typing Game

- Worked in a group of 3 in the development of an educational typing game written in Python, and developed using pygame, to improve users' typing precision and speed

RESEARCH EXPERIENCE

University at Buffalo

Aug 2020 - Present

Research Assistant

Buffalo, NY

- Developing an automatic license plate recognition program written in Python, utilizing the OpenCV library for plate detection, and using KNN and the Tesseract library for character recognition.

B.E.A.R (Vertically Integrated Projects Program at Stony Brook University)

Sep. 2019 - Jan. 2021

Research Assistant

Stony Brook, NY

- Co-led a team of 4 undergraduate researchers in writing a grant proposal in 3 months submitted to the NSF for the development of a flexible, virtual, and widely available laboratory simulation builder.
- Developed a Software Requirements Specifications for said laboratory simulation builder which specified the 33 use cases as well as the modeling of the various screens for this proposed software.

WORK EXPERIENCE

KSL Diagnostics Inc.

Aug. 2020 - Ongoing

Technology Intern

Buffalo, NY

- Provided technical support to around 20 employees during the first 3-4 weeks, and currently providing technical support to around 100 employees, by assisting with the development of our HelpDesk web-server
- Maintained and managed over 100 devices from both our main and 2 off-site laboratories
- Assembled over 50 lab equipments/furnitures of various types

theCoderSchool Buffalo

July 2020 - Nov. 2020

Programming Coach

Buffalo, NY

- Taught over 50 students anywhere from 6-14 years old various programming languages including Scratch, Python, Java, and more
- Coached 2 Python virtual summer camps with over 10 students in each during the Covid pandemic

EXTRACURRICULARS

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| • ITS Undergraduate College Fellow | Jan. 2019 - Present |
| • Stony Brook Computing Society (member) | Aug. 2017 - Present |