Peter Zeng

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Education

Stony Brook University   *Feb. 2021 - May 2022*
M.S. in Computer Science

- **Relevant Coursework**: Computer Vision, Data Visualization, Machine Learning, Algorithms

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:	Python, Java, Javascript, C, MIPS Assembly
Technologies:	Tensorflow, Pytorch, 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 React, designed using the MERN stack, as well as the official Spotify API, over the course of 3 months

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 pieces of lab equipments

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

Extracurricular Activities

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