

PETER ZENG

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🐙 peterzenger

RESEARCH AND WORK EXPERIENCE

WolfieTools Lab Simulation Builder

Prof. Richard McKenna

📅 September 2019 – Ongoing

📍 Stony Brook, NY

- Currently leading the Lab Simulation Builder Team in the design and prototyping of our lab procedure assistance application.
- Will be used for training of lab technicians and by professors to aid in virtual learning.
- Deployed a basic version of the software on our department servers

Technology Intern

KSL Diagnostics

📅 August 2020 – Ongoing

📍 Buffalo, NY

- Working part-time on the technology team of KSL Diagnostics, a national reference laboratory in Buffalo, NY.
- Assisted with the development of the HelpDesk web-server to help process employees' technology issues
- Maintain and manage the various devices in the main and off-site laboratories

Programming Coach

theCoderSchool Buffalo

📅 July 2020 – Ongoing

📍 Buffalo, NY

- I teach students anywhere from 6-14 various programming languages such as Scratch, Python, Java, and more.
- Coached 2 Python virtual summer camps during the Covid pandemic

Tutor

Academic Success and Tutoring Center at SBU

📅 January 2019 – Ongoing

📍 Stony Brook, NY

- Tutored students in Physics Mechanics/Data Structures and various introductory computer science courses at SBU

RELEVANT COURSEWORK

In Progress: Software Engineering Statistics for Data Science

Completed: Software Design Machine Learning Data Structures
Algorithms Computational Geometry Theory of Computation
Systems II Systems I Computer Networks
Finite Mathematical Structures Survey of Probability and Statistics

EDUCATION

B.S. in Computer Science

Stony Brook University

📅 August 2017 – Present

- GPA 3.52
- Specialization in Artificial Intelligence and Data Science
- Expected Graduation: May 2021

SKILLS

Programming Languages:

Java Python Javascript C

Technologies:

React Firebase MongoDB Linux-Shell
Git

PROJECTS

PBX Server Simulator

🌐 [Github Link!](#)

- A multi-threaded simulation of a PBX telephone System
- Built architecture for telephone clients to communicate on said system.
- Built the PBX server-side which handled the various types of communication
- Built using C

Project Wireframer

🌐 <https://github.com/peterzenger/Wireframer>

- A basic wireframer web application that can be used to diagram UI
- Functionality for resizing elements, zooming, panning, and more
- Multiple types of elements like labels, text input, etc...
- Built using Javascript, React, and Firebase

Miniature Keyboard

🌐 [Github Link!](#)

- A lightweight piano java app made for a data-structures course Final Project
- Was able to record basic melodies and play them back
- Built using Java, specifically JavaFX