


John RANZIE

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 New York, NY

EDUCATION

December 2023 Stony Brook University, Bachelors of Science in Computer Science, Stony Brook, NY

EXPERIENCE

Present
July 2022

Instructor, Hood Code NYC

- Nonprofit with the goal of empowering youth living in NYC Housing Authority (NYCHA) through coding education.
- Taught elementary and middle school aged students Scratch in 2 hour sessions, 3 times per week.

Scratch

December 2022
August 2022

Undergraduate Teaching Assistant, Fundamentals of Software Development, Stony Brook University

- Course covers full stack development by teaching students JavaScript, React, Express, and MongoDB.
- Provided more than 200 students with a inclusive environment that facilitated learning of the course's material.
- Held 6 hours of office hours per week, and maintained active presence on an online course forum.
- Attended multiple training sessions about maintaining an inclusive learning environment in partnership with the Center for Inclusive Computing.

JavaScript

Express

React

MongoDB

PROJETS

OURDOCS

NOVEMBER 2022

Link not yet available

- Collaborative real time document editing and sharing service.

JavaScript Node.js Svelte

TicTacGo

SEPTEMBER 2022

 github.com/jaranzie/TicTacGo

- Simple backend for tic-tac-toe game written in Go.

Go MongoDB

PEST PEEPERS

OCTOBER 2022

 [Devpost](#)

- Found, cleaned, organized, and annotated images to train a machine learning model.
- Used YOLOv5 to create an object detection machine learning model, capable of detecting invasive species in photos, videos, and live feeds.
- Final submission for Big Red Hacks 2022

Python Google Colab YOLOv5

ACTIVITIES

- Women in Computer Science
- Stony Brook Computing Society
- SBUHacks
- Big Red Hacks (Cornell University)

COURSES

- Cloud Computing
- Computer Architecture and Systems Programming
- Software Engineering
- Data Structures and Algorithms

SKILLS

Programming JavaScript, C/C++, Go, Python

Backend Linux, Docker, Kubernetes, NGINX

Frameworks/Libraries Node.js, Express.js, React.js, Fastify