

John Ranzie

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About

Junior at Stony Brook University looking to gain hands-on experience. I like to challenge myself and love finding solutions to interesting problems. I'm interested in cloud computing, machine learning, and back-end development. My current goal is to learn how to write industry grade, performant code.

Education

Stony Brook University

Computer Science · GPA: 3.6 · Dean's List

Stony Brook, NY

Exp. December 2023

- Stony Brook Computing Society · Women in Computer Science · Philosophy Club
- Cloud Computing · Computer Architecture · Programming Languages · Algorithms · Technical Communications · Software Engineering.

Projects

TicTacGo

Go, MongoDB

Fall 2022

- Simple REST based TicTacToe back-end written in Go's fiber web-framework. App keeps track of games played, score and more in MongoDB.

Reverki Term Rewriter

C

Fall 2022

- Command line tool written to become more familiar with C. Implements **term rewriting** algorithms to rewrite user defined terms and rules.

Fake Stack Overflow

MongoDB, Express, React and Node.js

Spring 2022

- Full stack web application inspired by Stack Overflow. Users have the ability to browse as a guest or register using email. Users are able to post questions and answers, as well as comment and vote on posts. Back-end built using Node, Express and MongoDB. Front-end used React.

Work Experience

Undergraduate Teaching Assistant

Software Fundamentals

Stony Brook, NY

Fall 2022

- Provided more than 200 students with a inclusive environment that facilitated learning of the course's material.
- Held 6 hours of office hours a week, and maintained active presence on online course forum.
- Attended multiple training sessions about maintaining an inclusive learning environment in partnership with the Center for Inclusive Computing.

Hood Code NYC

Lead Instructor

Stony Brook, NY

Summer 2022 - Present

- 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.

Skills

Back-end	Linux, Docker, Kubernetes, Express, MongoDB, MySQL, NGINX
Front-end	React
Programming	Go, Python, JavaScript, C/C++
Languages	English, Chinese