NGOC-THAO LY

SOFTWARE ENGINEER

ngcthao.github.io/my-cv | linkedin.com/in/ngcthao

thaoly.engineer@gmail.com | NYC Metropolitan Area

SKILLS

Languages	Python, Javascript, HTML
Framework	ExpressJS
IDE	Pycharm, Visual Studio Code, Atom, Replit, Jupyter Notebook
Other	ReactJS, NodeJS, Figma, Selenium, Solidworks, Adobe Creative Cloud

PROJECTS – https://github.com/ngcthao

/exercise-app — **Exercise Tracker** | (javascript) (mongodb) (express) (react) (node)
- Developed a single-page application that tracks exercises completed by the user
- Complies with MERN stack architecture

/flight-club — **Flight Club Notifications** | (python)
- Created a subscription service that notifies users of flight ticket availability
- An API fetches user data and their preferred flight locations from google sheets

/quizzler-game — **Quiz Game** | (python)
- Designed a quiz game using imported questions from a trivia database API
- Designed an interactive GUI for user input

/adt-implementations — **Abstract Data Structure Implementations** | (python)
- Personal implementations of various ADTs (stacks, trees, heaps, hash maps, etc.)

EDUCATION

Jan '23 – Exp. Dec '24 — **Oregon State University** | Corvallis, OR
Bachelor of Science – BS, Computer Science
Relevant Courses: Data Structures, Web Development

July '23 – Dec '23 — **Udemy Online Courses**
The Complete Python Pro Bootcamp for 2022

Aug '16 – Dec '21 — **The City College of New York** | New York, NY
Bachelor of Science – BS, Mechanical Engineering

EXPERIENCE

May '22 to -- — **Exam Prep Tutor** | Multiple Locations
Prepare students for standardized testing in both classroom and remote settings.

Sept '21 to May '22 — **Mechanical Engineer** – Design Drafter | MKS Advanced LED
Collaborated with a team, prototyping custom lighting fixtures based on product goals, testing results and feedback

Feb '19 to Sep '19 — **Engineering Apprentice** | The Zahn Innovation Center
Developed prototypes for startup clients in an engineering team

Jun '19 to Aug '19 — **Mechanical Engineering Intern** | Hoplite Power
Designed and manufactured machine parts using Onshape and workshop equipment