

NGOC-THAO LY

SOFTWARE ENGINEER

ngcthao.github.io/my-cv | [linkedin.com/in/ngcthao](https://www.linkedin.com/in/ngcthao)

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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	Full Stack Web Application (javascript) (mongodb) (express) (react) (node) <ul style="list-style-type: none">Developed a single-page application that tracks exercises completed by the userComplies with MERN stack architecture
/adt-implementations	Abstract Data Structure Implementations (python) <ul style="list-style-type: none">Personal implementations of various ADTs (stacks, trees, heaps, hash maps, etc.)
/flight-club	Flight Club Notifications (python) <ul style="list-style-type: none">Created a subscription service that notifies users of flight ticket availabilityAn API fetches user data and their preferred flight locations from google sheetsAirport codes are automatically filled in when new flight locations are added
/quizzler-game	Quiz Game (python) <ul style="list-style-type: none">Designed a quiz game using imported questions from a trivia database APIDesigned an interactive GUI for user input

EDUCATION

Jan '23 – Exp. Dec '24	Oregon State University Corvallis, OR <i>Bachelor of Science – BS, Computer Science</i> Relevant Courses: Data Structures, Web Development
July '23 – Dec '23	Udemy Online Courses <i>The Complete Python Pro Bootcamp for 2022</i>
Aug '16 – Dec '21	The City College of New York New York, NY <i>Bachelor of Science – BS, Mechanical Engineering</i>

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