

# NGOC-THAO LY

SOFTWARE ENGINEER

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

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## SKILLS

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

**PROJECTS** – <https://github.com/ngcthao>

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<a href="#">/exercise-app</a>	<b>Exercise Tracker</b>   (javascript) (mongodb) (express) (react) (node) <ul style="list-style-type: none"><li>Developed a single-page application that tracks exercises completed by the user</li><li>Complies with MERN stack architecture</li></ul>
<a href="#">/flight-club</a>	<b>Flight Club Notifications</b>   (python) <ul style="list-style-type: none"><li>Created a subscription service that notifies users of flight ticket availability</li><li>An API fetches user data and their preferred flight locations from google sheets</li></ul>
<a href="#">/quizzler-game</a>	<b>Quiz Game</b>   (python) <ul style="list-style-type: none"><li>Designed a quiz game using imported questions from a trivia database API</li><li>Designed an interactive GUI for user input</li></ul>
<a href="#">/adt-implementations</a>	<b>Abstract Data Structure Implementations</b>   (python) <ul style="list-style-type: none"><li>Personal implementations of various ADTs (stacks, trees, heaps, hash maps, etc.)</li></ul>

## EDUCATION

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Jan '23 – Exp. Mar '25	<b>Oregon State University</b>   Corvallis, OR <i>Bachelor of Science – BS, Computer Science</i> Relevant Courses: Data Structures, Web Development, Analysis of Algorithms
July '23 – Dec '23	<b>Udemy Online Courses</b> <i>The Complete Python Pro Bootcamp for 2022</i>
Aug '16 – Feb '21	<b>The City College of New York</b>   New York, NY <i>Bachelor of Science – BS, Mechanical Engineering</i>

## EXPERIENCE

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May '22 to --	<b>Exam Prep Tutor</b>   Multiple Locations Prepare students for standardized testing in both classroom and remote settings.
Sept '21 to May '22	<b>Mechanical Engineer</b> – 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	<b>Engineering Apprentice</b>   The Zahn Innovation Center Developed prototypes for startup clients in an engineering team
Jun '19 to Aug '19	<b>Mechanical Engineering Intern</b>   Hoplite Power Designed and manufactured parts using 3D modeling and workshop equipment