

Gina Roh

nnjh12@gmail.com | (215) 470-4558 | [LinkedIn](#) | [Github](#) | [Portfolio](#)

SUMMARY

- **Accomplished Full-Stack Developer** with extensive experience in front-end and back-end development using HTML5, CSS, JavaScript, React, Node.js, MySQL, and MongoDB
- **Proficient in machine learning principles** with Python, Tensorflow, Pytorch, and Scikit-learn
- **Proven track record in academic excellence and mentoring**
- **U.S. Permanent Resident**

SKILLS

- **Programming Languages:** Python, JavaScript, Java, Swift, Haskell, Racket, C/C++
- **Full-Stack Development:** HTML, CSS, React, Node.js, MongoDB, MySQL, Firebase, Git
- **Machine Learning:** TensorFlow, Pytorch, Scikit-learn, Numpy

EDUCATION

Master of Science in Computer Science (GPA: 3.9/4.0) 08/2021 – 05/2024
Syracuse University, Syracuse, NY

- Award: Merit scholarship, Teaching Assistantship, Clements Internship Awards

Bachelor of Science in Human Ecology 03/2006 – 02/2011
Yonsei University, Seoul, South Korea

- Majors in Human Environment & Design and Clothing & Textiles

PROJECTS

[iOS App: TimeCracker](#) 01/2023 – Present

- Developed an iOS app for recording, tracking, and summarizing daily activities using Swift.
- Integrated Firebase for real-time data storage and utilized Firebase authentication for user management.
- Recognized with *the Mark and Pearle Clements Internship Award*.

[Citation number prediction/classification using ML](#) 09/2023 – 12/2023

- Designed and developed ML algorithms including Nearest Neighbor, Neural Network, Linear/Logistic Regression, Random Forest, and Adaboost.
- Utilized Python, TensorFlow, Scikit-learn.

[Artificial Intelligence in Tic-tac-toe](#) 10/2021 – 04/2022

- Developed Monte Carlo Tree Search (MCTS) and Neural Network for the child selection step to estimate utility values in place of Q values.
- Utilized Python, NumPy, PyTorch.

[BookmarkKIT](#) 11/2019 – 05/2020

- Developed an efficient bookmark organization system with tag and search features.
- Utilized HTML, JavaScript, React, Node.js, MongoDB.

<u>QueerWed</u>	01/2019 – 07/2019
<ul style="list-style-type: none"> Developed a wedding planner app for LGBTQIA+ to connect businesses with customers. Led front-end and back-end development for the main page of the web application, vendor registration system, and vendor search. Utilized HTML, JavaScript, Bootstrap, React, Node.js, MongoDB. 	
<u>FETCHR</u>	01/2019 – 07/2019
<ul style="list-style-type: none"> Developed a best-breed match app for adopting animals. Led front/back-end development for user registration and visualization of adoptable dogs. Utilized HTML, JavaScript, Materialize, Sequelize. 	
<u>Clicky Game</u>	01/2019 – 07/2019
<ul style="list-style-type: none"> Developed a game where users click on faces until all faces have been clicked once. Utilized HTML, JavaScript, CSS, React. 	
<u>Crystal Collector</u>	01/2019 – 07/2019
<ul style="list-style-type: none"> Developed a game where users click on crystals to reach a target number. Utilized HTML, JavaScript, CSS. 	
<u>Trivia Game</u>	01/2019 – 07/2019
<ul style="list-style-type: none"> Developed a sports trivia game using HTML, JavaScript, CSS. 	
<u>Word Guess Game</u>	01/2019 – 07/2019
<ul style="list-style-type: none"> Developed a word guessing game using HTML, JavaScript, CSS. 	

WORK EXPERIENCE

Teaching Assistant, Syracuse University, Syracuse, NY	01/2023 – 05/2024
<ul style="list-style-type: none"> Mentored individuals in functional programming language and problem-solving strategies. Assisted students with debugging projects and resolving Git issues. Advised students to understand programming, and discrete mathematics concepts. 	
Assistant Fashion Buyer for Tommy Hilfiger and American Eagle, SK Networks, Seoul, Korea	01/2011 – 06/2015
<ul style="list-style-type: none"> Analyzed sales data and curated product mixes with a budget of \$0.5M annually. Tailored the initial product mix of American Eagle for the Korean market. Successfully launched American Eagle in the Korean market. 	

CERTIFICATIONS AND PROFESSIONAL DEVELOPMENT

Full Stack Web Development Boot Camp (A Certificate of Completion)	01/2019 – 07/2019
University of Pennsylvania LPS Coding Boot Camp, Philadelphia, PA	
<ul style="list-style-type: none"> Acquired proficiency in essential full stack web development technologies. Demonstrated expertise in crafting scalable web applications and APIs. 	

SCHOLARSHIPS AND AWARDS

Merit Scholarship	08/2021 – 07/2022
Teaching Assistantship	08/2022 – 05/2024
Mark and Pearle Clements Internship Award	05/2023