

# Gina Roh

nnjh12@gmail.com | [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.

[BookmarKIT](#) 11/2019 – 05/2020

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

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

## WORK EXPERIENCE

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

## CERTIFICATIONS AND PROFESSIONAL DEVELOPMENT

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

## SCHOLARSHIPS AND AWARDS

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