

Rachel Liang

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Website: <https://rliang.github.io/profile/>

Education

- University of Hartford, CT, USA
B.S. in Computer Science & Engineering (CSE) 2019-2022
GPA 3.97 / 4.0, summa cum laude

Teaching and Advising Experience

- Tutor, University of Hartford, USA 2020 - 2022
Subjects taught: Computer Science, Math, Circuits
- Preceptor, University of Hartford, USA
CS 114: Fundamentals of Computing I, Dr. Sheikh Islam Fall 2020
CS 115: Fundamentals of Computing II, Dr. Carolyn Rosiene Spring 2022

Services

- University of Hartford College of Arts and Sciences Student Ambassador 2021 - 2022
College of A&S Certificate of Appreciation awarded 2022
Volunteer on University of Hartford Alumni Student Panel 2022
Face of CSE Card for student recruitment 2021

Awards and Scholarships

- University of Hartford Regents' Scholarship 2019 - 2022
- University of Hartford: Presidents List All Semesters
- University of Hartford: CSE Class Achievement Award(s) 2020 - 2022
- Science, Technology, Engineering and Math (STEM) Scholarship 2019

Research Interests

- Natural Language Processing (NLP)
- Computer Vision (CV)
- Internet of Things (IoT)

Research experience

- Data Mining: NLP and object detection research 2021
- USP 400: NLP and image captioning research 2022
- Capstone: CV, deep learning, IoT research 2021 - 2022

Publications

- D. Baqaeen, **R. Liang**, M. Piotrowski and A. Jung, "Cost Effective Smart Parking System on Campus," *2022 International Conference on Software, Telecommunications and Computer Networks (SoftCOM)*, 2022, pp. 1-6, doi: 10.23919/SoftCOM55329.2022.9911417.

Professional Experience

- Electric Boat Intern - Design and Engineering Summer & Winter 2020, Summer 2021
- Electric Boat Engineer I - Embedded SW July 2022 – July 2023
- Adjunct Professor – University of Hartford (CS 111) August 2023 - Present

Technical Skills

- Languages: Java, Python, MySQL, Visual Basic, C++, C, C#, JavaScript, Cobol, Kotlin