

Yaurie J. Hwang

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EDUCATION

Northwestern University

Bachelor of Science in Computer Science and Learning Sciences

Evanston, IL

Expected June 2024

- GPA: 3.8/4.0 | ACT: 35/36 | Awards: Wildcat Impact Award, Sigma Phi Epsilon Balanced Man Scholarship, Dean's List

SKILLS

Coding Languages: Python, Java, SQL, HTML, CSS, JavaScript, C++, DSSL2, Racket

Technologies: Microsoft SQL Server, Alteryx, Power BI, Tableau, GitHub, Teradata, DBeaver, Smartsheet, Figma

Languages: English, Korean, Latin

WORK EXPERIENCE

Comcast

Philadelphia, PA

Data Analytics Intern

June 2022 – August 2022

- Extracted text using Python in Regular Expressions (Regex) to analyze documents for legal attorneys efficiently
- Utilized Microsoft SQL Server and SQL Alteryx workflow to automate data preparation and cleaning
- Created dynamic Power BI and Tableau dashboards to visualize data patterns in risk assessments for business units

Northwestern Computer Science Department

Virtual

Teaching Assistant

June 2022 – August 2022

- Led 2 hours of office hours weekly to provide guidance to 60+ students in COMP SCI 214: Data Structures and Algorithms
- Graded ~15 students' submissions for every assignment by evaluating their code and self-assessments

Center for Connected Learning and Computer Modeling

Evanston, IL

Program Coordinator

June 2021 – June 2022

- Managed 2 websites through GitHub using HTML, 185 mailing servers, and Endnote database of 7500+ references
- Edited 20+ drafts for academic papers to assist lab director and PhD candidates for journal submission or dissertation defense
- Corresponded to feedback and questions from user base of over 3000 researchers and one million students

Northwestern School of Education and Social Policy

Evanston, IL

Research Aide

February 2021 – May 2022

- Coded qualitatively 40+ hours of video data of students and teachers interacting with emergent learning curriculum
- Researched 95 public school districts and surrounding neighborhoods by reading local policies and boundary maps
- Analyzed and labeled 65 datasets from the Federal Housing Finance Agency to identify relevant experiment parameters

LEADERSHIP & ACTIVITIES

Lumi

Evanston, IL

Partnerships Manager

May 2021 – Present

- Implemented foundations for startup organization providing free tutoring to low-income Chicago high school students
- Programmed algorithm that optimizes tutor-student pairs by common spoken languages and time availability
- Designed tutor training program, resulting in average 123-point score increase, and maximum 320-point score increase

Northwestern University Associated Student Government (ASG)

Evanston, IL

Academics Committee Member

October 2021 – Present

- Managed ~\$18k to fund events that enrich academic experiences (e.g., Chinese class going to authentic Chinese restaurant)
- Researched policies at peer institutions to draft curriculum design for diversity and inclusion training for faculty
- Compiled feedback from students for faculty, resulting in wider implementation of Panopto, Piazza, and virtual office hours

Morton Schapiro Distinguished Secondary School Teaching Award

Evanston, IL

Committee Member

October 2021 – Present

- Reviewed 100+ applications to award 5 secondary school teachers for outstanding academic and social impact
- Collaborated with faculty, graduates, and undergraduates on committee to recommend award winners to University President

PROJECTS

Lumi Student-Tutor Matcher: Created program for Lumi (see Leadership & Activities) that matches tutors with students using data structures and algorithms on Python (pandas) to automate pairing process and create best possible matches

Independent Research Study: Researched how novice computer science students perceive professional programmers through interview coding and analysis; lightning talk at ICER 2022, submission to SIGCSE 2023 under review

Trip Planner: Coded a trip planner API in DSSL2 that provides routing and searching when given points of interest