XUAN YOU (XY) LIM

Currently looking for software engineering internships in 2021 & full time opportunities in 2022.
Particularly experienced in data wrangling/ETL process with Python and data visualization with D3.js.

🎓 EDUCATION

PRESENT | SEP 2017

B.S., Computer Engineering + B.A., Journalism
University of Washington   📍 Seattle, WA

• Expected Graduation: December 2021

📄 SELECTED PROJECTS

DEC 2020 | SEP 2020

Hate In America - Data Visualization Project
CSE 442: Data Visualization   📍 University of Washington

• https://cse442-20f.github.io/FP-Hate-in-America/ - Data visualization story illustrating the trends of hate crimes & shortcomings of the data, awarded best use of Scrollytelling.
• Wrangled data using Pandas library with Python and implemented force-directed bubble chart with Scrollytelling and choropleth map with D3.js.
• Led a team of five on the narrative direction and data visualization techniques.

DEC 2020 | SEP 2020

Georgian Senate Runoff Candidates' Twitter Usage Analysis
Election Reporting Project   📍 University of Washington

• Extracted tweets with Twitter API to analyze candidates' Twitter usage during election.
• Analyzed and extracted insights, wrote paper incorporating data as evidence.
• Tools and language used: Python to interface with Twitter API, Pandas library to extract insights, and Matplotlib and Seaborn for plots.

OCT 2020 | OCT 2020

Artbuddy - Collaborative Editor
Dubhacks Hackathon 2020: Team Project   📍 Seattle, WA

• Developed a collaborative text editor during a 24-hour hackathon using Convergence API with Javascript and Vue.js.
• Learned and integrated Convergence API for backend data synchronization.
• Integrated frontend Vue.js code with backend Javascript for deployment.

💼 SELECTED EXPERIENCES

PRESENT | MAR 2021

Undergraduate Research Assistant
Center for an Informed Public (CIP)   📍 University of Washington

• Cleaning and extracting research-ready data from over 90 million records in a PostgreSQL database.
• Using Python with Jupyter notebook and SQL to query data.

PRESENT | MAY 2018

Campus Tour Guide
Office of Admissions   📍 University of Washington

• Leading 75 minutes group tours with up to 50 prospective students and parents weekly.
• Responsible for welcoming guests, representing the university in a positive manner, presenting student life on campus, and answering questions about the university.

DEC 2020 | SEP 2020

Context Team Lead
DRG - Journalism in Mis/Disinformation Beat   📍 University of Washington

• Directed Research Group led by Melinda McClure Haughey, guided by Prof. Kate Starbird.
• Ran SQL queries to extract tweets from PostgreSQL database for data analysis.
• Collaborated with journalists to fulfill requests of social media data analysis, directed team meetings, and wrote paper analyzing journalism coverage of QAnon conspiracy.
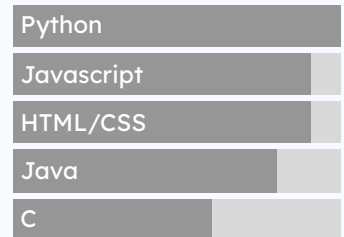
CONTACT

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RELEVANT COURSEWORK

Data structures & Algorithm
Data Visualization
Systems Programming
Database Systems
Artificial Intelligence (AI)
Networks

LANGUAGE FAMILIARITY

Python
Javascript
HTML/CSS
Java
C

MORE INFO

See full resume at
github.com/xuanyoulim/cv.