



Molly Chen

Computer and Data Science
Healthcare Technology

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Profile

Results oriented, well-rounded university student interested in data science's contribution to healthcare technology. Passionate about teen mental health advocacy and personalized medicine, interested in data visualization and improving patient healthcare experience.

Technical Skills

Java	●●●●●
Python/C	●●●●●
HTML/CSS/JS	●●●●●
Web Frameworks	●●●●●
MySQL	●●●●●
Data/Network Analysis	●●●●●
Data Visualization	●●●●●
Marketing	●●●●●

Experience

Technical Intern, SAS Institute May 2017-Aug 2017

- Add minimum features and reporting statistic visuals for Project DataSphere, a database that aggregates data on cancer research.
- Work on Excel data standardization for admin dashboard page.

CS 230 Teaching Assistant Aug 2016-May 2017

- Graded assignments and led helper hours for Discrete Math students.

Marketing Lead, HackDuke Aug 2016-May 2017

- Maintained outward-facing appearance of Duke's student-led hackathon
- Created weekly newsletter in partnership with tech workshops and clubs on campus and monitored ListServ via MailChimp to 900+ people.

Data+ Research, Duke Information Initiative May-Aug 2016

- Worked with postdoc to map comorbid disorders from patient hospital database onto health network, filtering by demographics.
- Used Sigma JS and Gephi network software to make global/ego-network visualizations, translated queries to ICD-9 codes using NLP processing.

Resident Assistant, UT Computer Science May-June 2015

- Mentored high-school girls under First Bytes CS and STEM summer camp.
- Gave presentation on personal research on genetic linkages to mental illness and safe-word filter to redirect teen suicidal ideation on social media.

Education

BS in Computer Science, Minor in Psychology

DUKE UNIVERSITY - DURHAM, NC 2015-2019

Data Structures/Algorithms, Computer Architecture, Operating Systems, Database Systems, Discrete Math, Statistical Methods in Psychology, Personalized Healthcare, Molecular Biology, Social Media Marketing

References

Dr. Salman Azhar, Visiting Associate Professor, Duke Computer Science
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Brian Durham, Advanced Analytics Project Manager, SAS Institute
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