Molly Chen

Computer and Data Science
Healthcare Technology

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Profile

Results oriented, well-rounded college student interested in data-driven applications within healthcare technology. Passionate
about personalized healthcare, mental health. Interested in data analytics, visualization and improving the 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-Aug 2017

- Added minimum features and reporting statistic visuals for Project DataSphere, a database that aggregates data from cancer research studies.
- Displayed standardized medical data on admin dashboard page.
- Created tables for admin system feature by querying database.
- Participated in annual Intern Expo, showcasing work to SAS professionals.

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, tanslated 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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