Molly Chen

Computer and Data Science
Healthcare Technology

Contact:

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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 Analysis　● ● ● ● ○ ○

Git　● ● ● ● ● ●

Marketing　● ● ● ● ● ●

Experience

Software Developer Intern, SAS Institute
May-Aug 2017

- Added minimum features and reporting statistic visuals for Project Data Sphere, 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.

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.

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.

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
919 660 6526 | azhar@cs.duke.edu

Brian Durham, Advanced Analytics Project Manager, SAS Institute
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Annette Walter, Computer Science Instructor, Friendswood HS
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