

Joanna Lu

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EDUCATION

University of Waterloo

B.Math, Honors Computer Science and Statistics Double Major

Waterloo, ON

Sept. 2015 - Dec. 2019

Selected Coursework: Algorithms, Linear Algebra, Artificial Intelligence, Distrib. Systems, Databases

EXPERIENCE

Facebook

Software Engineering Intern

New York, NY

Sept. 2019 - Nov. 2019

- Project to be determined

Jane Street LLC

Software Developer Intern

New York, NY

May 2019 - Aug. 2019

- Project to be determined

Google

Software Engineering Intern

Seattle, WA

May 2018 - Aug. 2018

- Built a fault injection framework for Google Compute Engine's Control Plane through intercepting RPCs by mocking and stubbing Cloud backend services for a simulated production environment
- Developed a tracing feature for threading operations in distributed backend

Yahoo

Software Engineering Intern

Sunnyvale, CA

Jan. 2018 - Apr. 2018

- Used React and Javascript to develop search segmented controls to render different views of messages, documents, photos within mail inbox, alongside UX and Product Management teams.

SAP

Product Management Intern

Waterloo, ON

May 2017 - Aug. 2017

- Implement deployment strategies/timelines for in-memory database feature, Dynamic Tiering and created interactive data visualizations for win-loss and market analysis using SQL, D3 and Jupyter.

Capital One

Data Scientist Intern

Waterloo, ON

May 2016 - Aug. 2016

- Built aggregated data pipelines between Redshift and MongoDB for dynamic data visualization tools, using data cleaned through text classification modelling, data mining and SQL.

PROJECTS AND ORGANIZATIONS

Waterloo Data Science Club, President

2016 - Present

- Responsible for managing Waterloo's Data Science Club's executive team and 500+ general members.
- Lead technical workshops, assisted club executives in co-ordinating events (professor talks, networking sessions, industry panels etc.) and developed strategies for increasing club membership size

Google Computer Science Summer Institute, Teaching Assistant

Summer 2018

- Mentored and assisted high school students in developing a functioning web platform project as a part of Google's summer tech program.

Log(me), Hack the North (*TD First Prize*)

Fall 2017

- Mental health web journal that uses sentiment analysis and text parsing to create data visualizations for user to monitor their own trends and behaviour

Acabellas, Soprano Vocalist and Arranger

2015 - 2016

- Arranged and performed SATB a capella pieces for performance at local venues, events and concerts. Qualified for the International Championship of Collegiate A Capella Choir 2016.

AWARDS

Google Grace Hopper Scholarship, For community and leadership involvements

2018

Hack the North TD First Prize, Mental health journal project

2017

June Nicholson Scholarship, UWaterloo Entrance Scholarship for Excellence

2017

American Math Contest Top 5%, Invitational Round Qualifier

2015