

Joanna Lu

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EDUCATION

University of Waterloo Waterloo, ON
B.Math, Honors Computer Science and Statistics Double Major Sept. 2015 - Dec. 2019
Selected Coursework: Algorithms, Linear Algebra, Artificial Intelligence, Distrib. Systems, Databases

EXPERIENCE

Facebook New York, NY
Software Engineering Intern Sept. 2019 - Nov. 2019
• Project to be determined

Jane Street Capital New York, NY
Software Developer Intern May 2019 - Aug. 2019
• Project to be determined

Google Seattle, WA
Software Engineering Intern 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 Sunnyvale, CA
Software Engineering Intern Jan. 2018 - Apr. 2018
• Used React and Javascript to develop search segmented controls to render different views of photos, messages, documents within mail inbox, working alongside UX and Product Management teams.

SAP Waterloo, ON
Product Management Intern May 2017 - Aug. 2017
• Implemented 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 Waterloo, ON
Data Scientist Intern 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
• Built an user web journal that uses sentiment analysis and text parsing to create data visualizations for user to monitor trends and behaviour related to their mental health.

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