Samir **Joshi**

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Work Experience

Qualtrics LLC   *Seattle, WA*
SOFTWARE ENGINEER   *Aug. 2018 - Present*
- Implemented and launched various features on the PX Conjoint, MaxDiff products
- Designed and implemented a new data model for a product built to gather/prioritize feedback
- Integrated an authentication system for external users
- Improved reliability by adding end to end tests and scale tests

Belvedere Trading   *Chicago, IL*
SOFTWARE ENGINEERING INTERN   *Jun. 2017 - Aug. 2017*
- Wrote a trading protocol in an exchange simulator
- Learned equity and options trading theory

Charles Schwab   *Lone Tree, CO*
SOFTWARE ENGINEERING INTERN   *Jun. 2016 - Aug. 2016*
- Performed security gap verification
- Implemented and verified security remediations in web systems

Education

M.S. in Computer Science   *Evanston, IL*
NORTHWESTERN UNIVERSITY   *Sept. 2017 - June. 2018*
- Computer science, focussing on Natural Language Processing (NLP)
- Project consisted of creating a system to analyze conversational text between a human and a game bot
    - Built a survey system to gather data on the subject's emotions at each message in the conversation
    - Experimented with various text classification methods, including Bayesian classification, RNN/LSTM classification, third-party commercial products
    - Built a classifier to classify messages by their emotion

B.S. in Computer Science   *Evanston, IL*
NORTHWESTERN UNIVERSITY   *Sept. 2014 - June. 2018*
- McCormick School of Engineering High Honors recipient
- Co-Director of WildHacks 2016, Northwestern's student run hackathon
- Co-Project Manager Pura Playa - an Engineers for a Sustainable World (ESW) project dedicated to reducing plastic pollution

Personal Projects

Hockey Dashboard
HTTPS://SAMIRJOSHI.DEV   *Ongoing*
- The hockey dashboard is a new way to visualize the stats of hockey teams and hockey games. It consists of 3 parts:
    - A dashboard website that shows head-to-head matchups of teams, as well as single team stats
    - A ranking of all teams that uses ELO ranking to rate each team
    - A twitter bot that tweets the results of hockey games and their associated stats in an easy to consume graphic

Joke Bot
HTTPS://GITHUB.COM/SAMIRJOSHI/OPENAIJOKES   *Mar. 2019 - May. 2019*
- Based on the OpenAI Jokes challenge/dataset
- Uses LSTM text generation to generate jokes using either character or word based tokenization

Other

Skills
- Fullstack Web Development, Natural Language Processing, Machine Learning, Web Scraping, Image Processing, Data Modelling, Databases
- Programming Languages: Typescript, JS/HTML/CSS, Python, C++, Java, Matlab, Racket

Honors & Awards
- Northwestern Dean's List
- Eagle Scout

Hobbies & Interests
- Running, Hiking, Discovering coffee shops I haven't been to before
- Following hockey, Keeping up to date with NLP research