

# Karishma Mandyam

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## Education

2015 - 2019 **Bachelor of Science in Computer Science, Data Science Option**, *University of Washington*  
2019 - 2020 **Masters in Computer Engineering**, *University of Washington*

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## Technical Proficiency

### Relevant Coursework

Multilingual NLP • Natural Language Processing (Grad) • Compilers • Deep Learning • Data Visualization • Modern Algorithms • Natural Language Processing Capstone • Distributed Systems • Databases • Natural Language Processing • Algorithms • Computer Graphics • Artificial Intelligence • Introduction to Data Management • Machine Learning • Computer Security • Systems Programming • Programming Languages • Hardware Software Interface • Foundations of Computing I • Foundations of Computing II • Data Structures and Parallelism

### Languages

Java, Python, C, C++, SQL, JavaScript, HTML, CSS

### Other Technologies

Pytorch, Pytext, IntelliJ, Microsoft Cognitive Services, Linux, SQLite

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## Work and Technology Experience

- Summer 2019 **Software Engineering Intern**, *Facebook*, Menlo Park, CA
- Building multitask classifiers for detecting Clickbait on the Facebook Newsfeed
- Autumn 2018 **Software Engineering Intern**, *Facebook*, Menlo Park, CA
- Building encoders and decoders for span based constituency parsing on the Messenger Assistant team
  - Improving the baseline parsing system used by the Messenger Assistant team
- Summer 2018 **Software Engineering Intern**, *Microsoft*, Redmond, WA
- Building several C# APIs for the Azure Customer Experience Engineering (CXP) team
  - Developed a scalable back-end and front-end infrastructure for a customer facing event logging application
- 2018 - Present **Undergraduate Research Assistant**, *Noah's Ark - University of Washington*, Seattle
- Building a Natural Language Processing model for Text Classification and Sentiment Analysis
  - Incorporating aspects of Interpretability in Machine Learning
- Summer 2017 **Software Engineering Intern**, *Blue Origin*, Kent, Washington
- Created an AB Testing Platform for an internal manufacturing portal
  - Designed and implemented an automatic integration testing pipeline for portal
- All Year 2017 **Fundamentals of Computer Science I Teaching Assistant**, *University of Washington*, Seattle
- Hosted office hours, taught a quiz section and kept fellow TAs organized as meeting scribe
- Winter 2016 **Data Structures and Parallelism Teaching Assistant**, *University of Washington*, Seattle
- Hosted office hours, taught a quiz section and helped create teaching materials
- Summer 2016 **Explorer Intern**, *Microsoft Inc.*, Redmond, WA
- Worked on the Microsoft Azure Identity Team, specifically Azure Active Directory (AAD)
  - Developed a discoverability tool for enterprise tenants to find and enable relevant features of AAD

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## Leadership Positions

**Laasya Classical Dance Competition**, Director (March 2018 - Present)

**Association of Computing Machinery (ACM) Officer**, Vice Chair (2017 - 2018), Secretary (2016)

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## Honors and Awards

- Autumn 2017 **Dubhacks Hackathon Winner**, *University of Washington*  
2015 - Present **Dean's List**, *University of Washington*  
Autumn 2015 **Tune House Scholar**, *University of Washington*