

## EDUCATION

**University of Washington**

Seattle, WA

Sep. 2013 – June 2017

B.S. in Computer Engineering

Magna Cum Laude with Department Honors, GPA: 3.85. *Outstanding Computer Engineering Senior Award.**Best Undergraduate Honors Thesis Award: Respeak: An Accessible, Voice-based, and Crowd-powered Speech Transcription System*

## RESEARCH EXPERIENCE

**UW Natural Language Processing (NLP) xLab**

March 2017 - Present

- Leading conversational question generation project. Developing a deep learning model adapted from encoder-decoder architecture. Advised by Yejin Choi. **[Python, PyTorch, TensorFlow]**. Received 4.0/4.0 grade in graduate-level NLP course.
- Attended ACL 2017 conference in Vancouver, Canada.

**Allen Institute for Artificial Intelligence (AI2)**

March 2015 – June 2015

- Worked on exploratory research problem of question perturbation i.e. learning to ask fourth-grade science questions of various levels of difficulty. Did data set analysis and question classification by lexical features **[Python]**. Advised by Been Kim.

**UW Information and Communication Technologies for Development (ICTD) Lab**

April 2014 – June 2017

- Developed Respeak, an Android app that uses crowdsourcing and Automatic Speech Recognition (ASR) to transcribe audio files. Beat ASR accuracy by six times for Hindi audio and three times for Indian-accented English. Advised by Richard Anderson.

## PUBLICATIONS

[Respeak: A Voice-based, Crowd-powered Speech Transcription System](#). Aditya Vashistha, Pooja Sethi, and Richard Anderson. ACM CHI 2017. Best Paper Honorable Mention (top 5% of submissions).

## INDUSTRY EXPERIENCE

**Roxy Device, NLP Engineer**

Seattle, WA

June 2017 – Sep. 2017

- Part-time NLP freelancing for Seattle startup [Roxy](#), an “Amazon Alexa for hotels.”
- Building classifier for small talk utterances, to be used in dialogue generation pipeline. **[Python]**

**Instagram, Software Engineer Intern**

Menlo Park, CA

Sep. 2016 – Dec. 2016

- Instagram Explore team, machine learning for video and photo ranking.
- Built data pipelines, developed ranking models, ran A/B tests, and built new features for channels and stories. **[Python, Hive]**

**Google, Software Engineer Intern**

Mountain View, CA

June 2016 – Sep. 2016

- Payments Accounting team, the engineering behind Google Finance.
- Built end-to-end tool for visualizing accounting impact on top of Google’s F1 database. **[AngularJS, Java, SQL]**

**Microsoft, Software Engineer Intern**

Bellevue, WA

Jan. 2016 – March 2016

- Bing Ranking Service team, web page ranking.
- Built a DLL, a dynamically linked library, to support rapid feature development for machine learning models. **[C++]**

**Google, Software Engineer Intern**

Kirkland, WA

Sep. 2015 – Dec. 2015

- Tools and Infrastructure team for Spanner, Google’s globally distributed database.
- Designed and developed a random schema generator to complete Spanner’s end-to-end integration testing framework **[C++]**.

**Facebook, Software Engineer Intern**

Menlo Park, CA

June 2015 – Sep. 2015

- Messenger Payments team, full-stack Android development.
- Shipped group payments feature, as well as a framework for native risk verification **[Android, Java]**

## ACTIVITIES

ACM-W Vice Chair (2016-2017) and ACM Internal Relations Officer (2014 – 2015).

Founder of UW CSE’s first undergrad computer science paper reading group, Read Copy Update (2015 – 2016).

## HONORS

[UW CSE Undergrad Spotlight](#) \* SWE Outstanding Female Engineer Award \* Google GHC Scholarship (2016) \* Facebook F8 Scholarship (2016) \* UW CSE GHC Scholarship (2015) \* [TUNE House Scholarship](#) \* NASA Space Grant Scholar \* Mary Gates Scholar \* Martin Family Foundation Honors Scholar \* UW Honors Program Scholarship \* Granite Falls High School Valedictorian