

# Pooja Sethi

psethi17@cs.uw.edu

(425)-780-7384

poojasethi.github.io

## EDUCATION

**University of Washington**, Seattle, WA  
GPA: 3.82, Honors Program, CSE Direct Admit

September 2013 – June 2017  
B.S. in Computer Engineering

## INDUSTRY EXPERIENCE

**Instagram, Software Engineer Intern** Menlo Park, CA Sep. 2016 – Dec. 2016

- Instagram Explore team, machine learning for discovering new Instagram content.
- Trained a Gradient Boosted Decision Tree model for ranking cover media i.e. videos for the Just Press Play channel on Instagram Explore, increasing channel time spent by 8%.
- Wrote Hive data pipelines and engineered new features for ranking Explore stories. [Python, Django, C++, PHP/Hack, Hive]

**Google, Software Engineer Intern** Mountain View, CA June 2016 – Sep. 2016

- Payments Accounting team, engineering behind the Google Finance.
- Built end-to-end tool for visualizing accounting impact of source events such as payments, invoices. [Java, AngularJS]
- Wrote and optimized backend queries, defined RPC endpoints, and designed and built frontend.

**Microsoft, Software Engineer Intern** Bellevue, WA Jan. 2016 – March 2016

- Bing Ranking Service team, computes rank of web pages for optimally ordering Bing search results.
- Built a DLL, a dynamically linked library, to support rapid feature development for machine learning models. [C++]
- DLL widely adopted across Relevance team, cutting down deployment time for new features from several weeks to days.

**Google, Software Engineer Intern** Kirkland, WA Sep. 2015 – Dec. 2015

- Tools and Infrastructure team for Spanner, Google's globally distributed database that supports Ads.
- Designed and developed a random schema generator to complete Spanner's end-to-end integration testing framework [C++]. Complements random query generator used to identify bugs in Spanner.
- Created an API that allows reuse of schema generator across multiple Google storage teams such as Dremel and F1.

**Facebook, Software Engineer Intern** Menlo Park, CA June 2015 – Sep 2015

- Messenger Payments team, full-stack Android development [Android, Java]
- Shipped Group Sends feature for sending payments in group conversations, as well as a framework for a native risk verification.
- Awarded scholarship to attend 2016 F8 Developer Conference in San Francisco.

## RESEARCH EXPERIENCE

**Allen Institute for Artificial Intelligence (AI2)** March 2016 – June 2016

- Worked on defining a classifier for learning perturbations of fourth grade science questions. A perturbation is a slight modification of a question that drills into whether a student actually understood the concept being tested or not. [Python]

**UW Information and Communication Technologies for Development (ICTD) Lab** April 2014 – June 2015

- Developed Resepak, an Android app that uses crowd-sourcing and Automatic Speech Recognition to efficiently transcribe audio files into text. Resepak was deployed for a field trial in India in summer 2015. Advised by Aditya Vashistha and Richard Anderson.
- Paper submitted to ACM CHI 2017 (under review). Presented at Change Seminar and UW Undergraduate Research Symposium.

## ACTIVITIES

- **ACM-W Vice Chair:** Vice-chair for undergrad ACM women's chapter Sep. 2016 – June 2017
- **Read Copy Update:** Started undergrad computer science paper reading group Sep. 2015 – June 2016
- **ACM Internal Relations Officer:** Liaison between students and faculty and coordinated events Sep. 2014 – June 2015
- **CSE 143 TA:** Taught section for introductory Java programming class covering recursion, binary trees, etc. Sep. 2014 – Dec. 2015

## AWARDS

Society of Women Engineers Outstanding Female Engineer Award \* Google Grace Hopper Scholarship (2016) \* UW CSE Grace Hopper Scholarship (2015) \* TUNE House Scholarship \* NASA Space Grant Scholar \* Mary Gates Scholar \* Martin Family Foundation Scholar \* UW Honors Program Scholarship \* IEEE HKN Honor Society \* Granite Falls High School Valedictorian (GPA 4.0/4.0) \* National Merit Commended Student