

EDUCATION

Princeton University

M.S.E. in Computer Science

Honors: Siebel Scholars, Class of 2022

Princeton, NJ

Sep 2020 - Present

Wellesley College

B.A in Computer Science / Cognitive and Linguistic Sciences

Honors: Sigma Xi Scientific Research Honor Society; Durant Scholars *magna cum laude*

Wellesley, MA

Sep 2016 - May 2020

RESEARCH EXPERIENCE

Princeton University

*Natural Language Processing with **Danqi Chen***

Princeton, NJ

Sep 2020 - Present

- **Ongoing Project:** Improve Cross-task transfer of Seq2Seq language models using Natural Language Instructions
- **Finished Project:** Re-evaluate the evaluation protocol of Conversational Question Answering (CQA) models

Wellesley College

*Human Crowdsensing with **Christine Bassem***

Wellesley, MA

Sep 2018 - May 2020

- **Thesis Project:** Designed unsupervised algorithm for discovering Points of Interest (POI) of a city from GPS trajectory datasets and assessed the periodicity of POIs

TEACHING EXPERIENCE

Introduction to Programming Systems

Princeton University

Princeton, NJ

Sep 2020 - Present

- Lead 25-student discussion sessions covering topics in C and Assembly programming languages

Data Structures

Wellesley College

Wellesley, MA

Jan 2018 - Dec 2018

- Assisted students during group tutoring sessions on projects related to data structures using Java

WORK EXPERIENCE

Google

Software Engineering Intern

Pittsburgh, PA

May 2019 - Aug 2019

- Designed, implemented and tested an end-to-end dialog feature for price queries on Google Assistant devices
- Created natural language understanding grammar that recognizes user intent to ask for price and extract key information from query

Seedlink Technology

Linguistic Research Intern

Shanghai, China

Jun 2017 - Aug 2017

- Researched on extracting linguistic features from written text that correlated with human personality
- Improved the segmentation accuracy of in-house Chinese dictionary model by 11% by creating more accurate user dictionary

SKILLS

- **Languages:** Python, Java, C, C++, Assembly, Racket, Standard ML, HTML, CSS
- **Frameworks:** PyTorch, Tensorflow, Pandas, NumPy
- **DevOps:** Amazon Web Services, Git

SELECTED COURSEWORK

- Natural Language Processing | Mathematical Theory of Deep Learning | Computational Psycholinguistics | Computational Control Theory

LEADERSHIP AND SERVICES

Student Representative on Board of Admission

Wellesley College

Wellesley, MA

Sep 2019 – April 2020

- Serve on First-year student selection committee with 11 other students
- Provide comments for applicants to assist Admission Office readers on making admission decisions

President of Wellesley Club Water Polo

Wellesley College

Wellesley, MA

Sep 2017 – May 2019

- Hosted practices and designed practice agenda with captain and coach for a team of 30 players
- Promoted water polo to the broader Wellesley-area community, increasing ethnic diversity of the sport

SELECTED PROJECTS

Chat Web App

Google CodeU Program

Virtual

Feb 2018 – May 2018

- Collaborated with a team of peers to ideate, design, and build a Chat Web application using Java, JavaScript, HTML and CSS over the course of 12 weeks

“The Phonetics and Phonology of Urdu”

Research Project

Wellesley, MA

Feb 2017 – May 2017

- Conducted an extensive study on the phonetics and phonology of Urdu
- Documented the phonemes of Urdu recorded from a native speaker of Urdu and described the phonological processes that occurred in the speech

TALKS

“Breaking the Brotopia: Demystifying Tech Internships”

Tanner Conference

Wellesley, MA

Oct 2019

- Shared experiences with regarding working in heavily male-dominated environment at large technology companies

“The Art of Inventing Languages, a Guided How-To Panel Discussion”

Ruhlman Conference

Wellesley, MA

May 2019

- Introduced how to build a language from the ground up and presented the phonetic sounds, the phonological structures, the word compositions, the syntax, and the culture of the designed language