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## Education

**Boston University (BU)** — Boston, MA, USA **2018- 2024**  
**Ph.D.** in Computer Science  
Advisor: Dr. Peter Chin  
Current Overall GPA: 4.0/4.0

**Massachusetts Institute of Technology (MIT)** — Cambridge, MA, USA **2012- 2016**  
**B.S.** in 18C – Mathematics with Computer Science  
Overall GPA: 4.6/5.0

### Curriculum Highlights:

**EECS:** Design and Analysis of Algorithms, Software Construction, Artificial Intelligence, Machine Learning

**Math:** Combinatorial Optimization, Number Theory, Statistics for Applications, Linear Algebra, Computation Theory

## Work Experience

Teaching Fellow *August 2018- Present*

**Boston University, Computer Science Department**

- Prepared and instructed lab sections for CS101 (Introduction to Computer Science).
- Organized and graded student submissions.
- Mentored and lead three undergraduate teaching assistants.

Associate Research Engineer **June 2016- August 2018**  
**Systems and Technology Research (STR), Intelligence Tools and Applications Group (ITA)**

- Took charge of a network reconnaissance tool that was demoed and delivered to a USA intelligence agency.
- Completed all technical work on a cross network association project for entity resolution under a supervisor.
- Developed fusion methods for predictions of future world events using neural networks.
- Worked on a team to discover groups in social networks using semantic, social, and spatio-temporal features.
- Analyzed social media data and international news articles to generate features for prediction models.

Undergraduate Research Assistant **June 2013- June 2016**

**Research Lab for Electronics (RLE) at MIT, Speech Communications Group**

- Transcribed and labeled landmarks and prosody in the speech of adults and neuro-divergent children.
- Headed development of Python code to label phonetic cues.
- Conducted the experiment on 20 American English speakers with a teammate.
- Implemented a complete tool suite for the analysis of gesture labels in R and Python.
- Trained new team members how to label gestures and directed their research.

## Relevant Skills

- Proficiency in programming languages Python and Java, some Go, C++, ATS, HTML/CSS/JS
- Experience with software such as Praat, Elan, R, LaTeX, Git, Windows Office, Dropbox, Wireshark

## MIT Activities

- E-Entry Chair in MacGregor HouseComm (Student Government) **2012- 2015**
- Undergraduate Society of Women in Mathematics (USWIM) **2012- 2016**
- Undergraduate Mathematics Association (UMA) **2012- 2016**
- MIT Concert Choir **2012- 2016**
- MIT Literary Society **2012- 2016**