

# Alex Wilf

awilf@cs.cmu.edu | [abwilf.github.io](https://abwilf.github.io)

## EDUCATION

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### **Carnegie Mellon University, Pittsburgh**

Sep 2021 - Present

*PhD Student in Language Technologies Institute, School of Computer Science*

- Courses: Machine Learning, Advanced Topics in Multimodal Machine Learning, Natural Language Processing, Question Answering
- Cumulative GPA: 4.16 / 4.0

### **University of Michigan, Ann Arbor**

*B.S. in Computer Science, Phi Beta Kappa*

Sep 2015 - Dec 2019

## PUBLICATIONS

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**Alex Wilf\***, Qianli M. Ma\*, Paul Pu Liang, Amir Zadeh, and Louis-Philippe Morency. “Face-to-Face Contrastive Learning for Social Intelligence Question-Answering”. Conference Paper at **FG 2023**.

**Alex Wilf** and Emily Mower Provost. “Dynamic Layer Customization for Noise Robust Speech Emotion Recognition in Heterogeneous Condition Training.” 2021. Oral Presentation at **ACII 2021**.

## EXPERIENCE

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### **Graduate Research Assistant**

Sep 2021 - Present

*MultiComp Lab, Carnegie Mellon University*

Pittsburgh, PA

- Researching artificial social intelligence with Professor Louis-Philippe Morency

### **Research Assistant**

Jan 2020 - May 2021

*Computational Human Artificial Intelligence Lab, University of Michigan*

Ann Arbor, MI

- Researched deep learning methods for deployable automatic speech emotion recognition with Professor Emily Mower Provost.
- Collaborated with Carnegie Mellon’s MultiComp Lab to investigate conditional computation in deep networks.
- Designed a novel task and approach for noise robust speech emotion recognition, showed significant improvements over baseline.

### **Software Engineering Intern**

May 2018 - Aug 2018

*Uber*

San Francisco, CA

- Completed full stack project building search into Uber for Business dashboard and supporting database infrastructure.

- Organized and led conversations with three different teams to design an efficient data storage and retrieval solution.
- Implemented back end functionality using Go, front end functionality using React, Redux, Node/Javascript.

### **President**

May 2018 - May 2019

*University of Michigan Men's Glee Club*

Ann Arbor, MI

- Managed \$500,000 budget, 12 person executive team, 95 person glee club and alumni relations with over 2,500 alumni.
- Raised over \$100,000 for international tour, increased profits from concerts, digitized recordings, created alumni database and web store with new merchandise.
- Increased community outreach by raising over 36,000 meals for charity and performing for inmates and hospital patients.

## **Service**

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Co-organizer: NAACL 2022 4th Workshop on Multimodal Artificial Intelligence

Reviewer: ACII 2021

## **TEACHING**

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**Teaching Assistant, Carnegie Mellon University**

Sep 2022 - Present

*11-777 Multimodal Machine Learning*

Pittsburgh, PA

**Teaching Assistant, University of Michigan**

Sep 2019 - Dec 2019

*EECS 492: Introduction to Artificial Intelligence*

Ann Arbor, MI

## **HONORS AND AWARDS**

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The Hugh G. Rumler Prize	2019
Phi Beta Kappa	2019
EECS Scholar	2018, 2019
Dewey, Ramsey, Llangollen Scholarships (Men's Glee Club)	2018
James B. Angell Scholar	2017, 2018
Barger Leadership Institute Capstone Award	2017
University Honors	2016-2019
Grand Prize (EECS 183 Showcase)	2016

## **TECHNICAL SKILLS**

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Programming Languages: Python, C++, Javascript, Go

Libraries and Tools: Tensorflow, PyTorch, NumPy, Git