

POOJA CASULA

PhD Student at Georgia Institute of Technology

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EXPERIENCE

Graduate Research Assistant

Georgia Tech, Digital Integrative Liberal Arts Center

📅 August 2020 - present 📍 Atlanta, GA

- Working to create a labeled data set of tweets that threaten violence against U.S Congresswomen
- Collaborated with two graduate DILAC fellows on a workshop on AI, Ethics and Bias

Product Research Intern

Virtru

📅 June 2019 - August 2019 📍 Washington D.C.

- Designed and executed qualitative user research studies in collaboration with the Virtru UX and Data Analysis teams.
- Performed a heuristic evaluation and shared actionable insights with the Product Development team.

Undergraduate Research Assistant

Carnegie Mellon University, Human Computer Interaction Institute

📅 June 2018 - May 2020 📍 Pittsburgh, PA

- Re-designing and re-implementing educational materials to help middle school students understand math concepts.
- Analyzing student performance data on an educational game in order to provide insight into design decisions to promote various learning strategies.

Software Developer Intern

Kavayah Solutions, Inc.

📅 June 2017 - August 2017 📍 Princeton, NJ

- Developed a nodeJS module to analyze music trends from various music streaming services to develop a top 10 list for tracks and albums for a mobile app called WILT.
- Implemented and connected MongoDB, Pymongo and Mongoose databases to work with different nodeJS and Python modules.

PUBLICATIONS

Click title to read

Applying Rhetorical Structure Theory To Student Essays For Providing Automated Writing Feedback

NAACL workshop, Jun. 2019

Shiyan Jiang, Kexin Yang, Chandrakumari Suvarna, Pooja Casula, Mingtong Zhang and Carolyn Rose

Bollywood's Influence On India's Rape Culture

Albeit Magazine, Feb. 2019

EDUCATION

Georgia Institute of Technology

PhD in Digital Media

📅 2020 - 2024 exp. 📍 Atlanta, GA

Advisor : Dr. Nassim Parvin

Carnegie Mellon University

B.S. in Cognitive Science

📅 2016 - 2020 📍 Pittsburgh, PA

Concentration in AI

Minor in Human Computer Interaction

Rutgers Preparatory School

High School Diploma

📅 2012- 2016 📍 Somerset, NJ

RESEARCH INTERESTS

Algorithmic Bias

Social Media

Women's Studies

Human Computer Interaction

Social Computing

WRITTEN WORKS

Click title to read

The Role of Family in a Woman's Life

How Film Noir Reflected American Society During The 1930s and 1940s

Hollywood's Use of Racial Stereotypes and it's Direct Impact on Society

Why The Catcher In The Rye Should Not Be Censored

PROJECTS

Death Threat Tweets

DILAC - Georgia Tech

📅 Ongoing

- Using the Twitter API to compile a corpus of threat tweets that target U.S Congresswomen to create a labeled data set
- Conducting a thematic analysis of the tweets

Contrasting Different Forms of Feedback in Intelligent Tutoring Systems

Advanced Topics in Personalized Online Learning - Carnegie Mellon

📅 Spring 2019

- Collaborated on a team to investigate different forms of feedback in self-directed environments using Cognitive Tutoring systems.

Practical RST Tutor

Personalized Online Learning - Carnegie Mellon

📅 Fall 2018

- Collaborated on a team to design and build an intelligent tutoring system to train human annotators to apply Rhetorical Structure Theory (RST) to text in order to provide feedback for improving writing quality across genres.

The Impact of Type of Book and Time of Day on Concentration Levels and Memory Retention

Research Methods in Cognitive Science - Carnegie Mellon

📅 Spring 2018

- The main question of this experiment was to determine whether there was a difference in concentration levels and memory retention when subjects were given a physical books to read versus an audiobook and whether the time of day impacted this as well.

TEACHING AND MENTORING

Teaching Assistant

Interaction Design Studio - Carnegie Mellon HCII

📅 Spring 2020

- Worked to ensure student success in learning material by holding office hours and providing written feedback on assignments and exams.

Teaching Assistant

Cognitive Psychology - Carnegie Mellon

📅 Fall 2018, Fall 2019

- Worked to ensure student success in learning material by holding office hours and providing written feedback on assignments and exams.

SELECT COURSEWORK

Graduate

The Computer As an Expressive Medium
Social Justice and Ethical Imagination in Design

Pro Seminar in Media Theory

Undergraduate

Human AI Interaction

Principles of Imperative Computation

Principles of Functional Programming

Advanced Topics in Personalized Online Learning

Human Information Processing and Artificial Intelligence

Applications of Cognitive Science

Cognitive Modeling

SKILLS

Programming

Python C HTML JS CSS
SML Jira

Research

Usability Testing Heuristic Evaluation
IBM SPSS Cognitive Task Analysis
Writing

Design

Prototyping Wireframing InVision

Undergraduate Writing Consultant

Carnegie Mellon Global Communications Center

📅 Fall 2018 - Spring 2020

- Provide academic tutoring for CMU students in writing and revising various forms of written works.

Peer Advisor

Carnegie Mellon Dietrich Academic Advisory Center

📅 Fall 2017, Fall 2018

- Worked with incoming Dietrich freshmen to ensure smooth college transition.
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