

GABRIELA PINTO

gabrielapintogp@gmail.com ◇ www.linkedin.com/in/gabrielapinto182 ◇ ORCID ◇ Google Scholar Profile

RESEARCH INTERESTS

Social Impact, Social Bias, Natural Language Processing, AI Ethics, Social Media, Autism Research

EDUCATION

Chapman University *Expected in May 2023*
M.S. Computational and Data Sciences *GPA:4.0*

Chapman University *Graduated in December 2021*
B.S. Computer Science, Minor in Computer Engineering with Program Honors

SKILLS

Languages Python, Java, C, C++,R, SQL
Other Git, Pandas, Keras, Pytorch, Tensorflow

PROFESSIONAL EXPERIENCE

Chapman University, Fowler School of Engineering August 2022-present
Graduate Student Instructor

- Taught two sections of CPSC 230 (Computer Science 1), which focus on teaching students basic programming concepts using Python.

Pacific Northwest National Laboratory May 2022-August 2022
Research Computing Intern

- Built a web application to provide employees data representation of their data usage and improve IT communications between departments using React.js and the Splunk API.

Intel August 2021-January 2022
Product Development Engineer Undergraduate Intern

- Contributed to a product's migration and improved the product's speed using Perl and C++ by 80 percent.

Barclays June 2021-August 2021
Technology Analyst Intern

- Collaborated in the development of technology that detects money laundering and illegal activity using Python

RESEARCH EXPERIENCE

Machine Learning and Affiliated Technology Lab, Chapman University February 2022-present
Graduate Research Assistant

- Leading in projects that apply natural language processing techniques and machine learning to answer research questions in Autism research and social media.

Machine Learning and Affiliated Technology Lab, Chapman University March 2020-February 2022
Undergraduate Research Assistant

- Worked collaboratively and independently in an effective manner in various research projects related to data mining, public opinion on social media, and Autism research

- Implemented natural language processing techniques that automates the scoring of free response mathematical problems using Python

PUBLICATIONS

An Application of Document Embeddings to Identifying Challenging Behaviors in Autism Spectrum Disorder from Clinical Notes

Authors: Abigail Atchison, **Gabriela Pinto**, Ali Woodward, Elizabeth Stevens, Dennis Dixon, Erik Linstead
Accepted to the 21st IEEE International Conferences on Machine Learning and Applications

Classifying Challenging Behaviors in Autism Spectrum Disorder with Word Embeddings

Authors: Abigail Atchison, **Gabriela Pinto**, Ali Woodward, Elizabeth Stevens, Dennis Dixon, Erik Linstead
Presented at the 20th IEEE International Conferences on Machine Learning and Applications

A Large-Scale Sentiment Analysis of Tweets Pertaining to the 2020 US Presidential Election

Authors: Rao Hamza Ali, **Gabriela Pinto**, Evelyn Lawrie & Erik J. Linstead

Analyzing Challenging Behaviors and their Functions in Autism Spectrum Disorder via Unsupervised Machine Learning*

Authors: Emily Daskas, **Gabriela Pinto**, Ali Woodward, Dennis Dixon, and Erik Linstead

Large-Scale Identification and Analysis of Factors Impacting Simple Bug Resolution Times in Open Source Software Repositories*

Authors: Elia Eiroa-Lledo, Rao Hamza Ali, **Gabriela Pinto**, Jillian Anderson, and Erik Linstead

A Machine Learning Based Analysis of Tweets Published Related to the Overturning of Roe v Wade*

Authors: **Gabriela Pinto** and Erik Linstead

* under review

PROFESSIONAL MEMBERSHIP AND SERVICE

Girls Who Code, College Loop - Vice President

April 2021-May 2022

- Contributed in creating a stronger community that encourages the female identifying student body to pursue Computer Science through social and professional development events
- Hosted an event that prepared our members for the internship process

Institute of Electrical and Electronics Engineers - Secretary

June 2020-August 2021

- Hosted a Q&A event with a Software Engineer at Disney, which provided insight on working in the industry
- Assisted in organizing and promoting the IEEE GameSig competition at Chapman University

AWARDS

Comp Sci MS Grad Fellowship 2022-2023 - \$21,600 per semester

Grace Hopper Conference Scholarship 2021,2022

Chapman University's Town and Gown Scholarship 2021 - \$3,250

Chapman University's Provost Scholarship 2018-2022 - \$22,000 per year

Chapman University's Thurgood Marshall Scholar 2018-2022 - \$6,000 per year

Chapman University's Schmid Talent Scholarship 2018-2021 - \$4,000 per year

Provost's List