

# Anthony Sainez

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<b>Education</b>	Bachelor of Science - Computer Science & Engineering University of California, Merced	12 August 2022 3.552 GPA
<b>Experience</b>	<b>Research Intern</b> Barun ICT Research Center <ul style="list-style-type: none"><li>Generated and analyzed a fully reproducible dataset of Korean and English tweets through continuous real-time data collection (polling) in Python.</li><li>Preprocessed and analyzed sentiment of texts using VADER with the help of Google Cloud Translate API.</li><li>Reported on the statistical differences in distribution of sentiment between languages, and reflected on the implications and limitations of the study and method.</li></ul>	April 2022 - June 2022 GitHub Seoul, South Korea
	<b>Undergraduate Student Researcher</b> University of California, Merced <ul style="list-style-type: none"><li>Generated a private research dataset through webscraping in Python and Selenium for speed, readability and discretion.</li><li>Responsible in part for data wrangling in R to transform messy raw HTML into a data frame fit for analysis through natural language processing techniques.</li></ul>	September 2021 - December 2021 Merced, California
	<b>Undergraduate Student Researcher</b> National Science Foundation (NSF) <ul style="list-style-type: none"><li>Responsible for synchronizing a network of Arduino footstep detectors in MATLAB and C for potential smart building implementations.</li><li>Investigated cheaper design alternatives to existing hardware solutions.</li></ul>	June 2020 - October 2020 GitHub Merced, California
<b>Projects</b>	<b>Bobchat</b> , a social media website <ul style="list-style-type: none"><li>Created a full-stack website application in Python using Flask with a SQLite database back-end, all installable as a Python package.</li><li>Led weekly pair programming sessions with a classmate to facilitate codebase understanding as well as follow best practices such as reproducibility/scalability.</li></ul>	GitHub October 2021 - June 2022
	<b>Volunteer Hero</b> , a phone application <ul style="list-style-type: none"><li>Created an iOS/Android application for the United Way of Merced County using React Native and Google's Firebase Cloud Firestore with 4 teammates.</li><li>Ensured smooth development by facilitating open communication between client and team as well as rigorous note-taking and weekly pair programming sessions.</li></ul>	GitHub January 2021 - May 2021
<b>Relevant Classes</b>	<u>Data Science:</u> Data Mining, Machine Learning, Computer Vision, Artificial Intelligence <u>Software:</u> Software Engineering, Database Systems, Exploratory Computing <u>Hardware:</u> Circuit Theory, Computer Architecture	