Enthusiastic and skilled recent graduate with a background in Natural Language Processing (NLP), Artificial Intelligence (AI), and Game Design. Seeking a challenging role that leverages my expertise in developing innovative solutions in NLP/AI and game design to contribute to cutting-edge projects and advance the field.

Education	
Master of Science in Natural Language Processing, GPA: 3.98 University of California, Santa Cruz (Silicon Valley Campus) Bachelor of Computer Science: Game Design, GPA 3.97 University of California, Santa Cruz	Dec 2023 June 2020
Technical Skills	
	iar with:
AI/ML – SkLearn, Pytorch WebG NLP - Specifically RLHF & Conversational Agents Python, Java, JavaScript, C, C#, Pytorch Game Design, Unity, Phaser	L, Assembly Language
Experience	
Programmer Intern – Llama chatbot with RAG <i>Bizkonnect, Wilmington, DE</i> Worked on retrieval augmented generation with llama2 and mi	July– Sept 2023 Ivus database using Langchain API.
Research Project - Dehumanization Target Identification <i>UC Santa Cruz</i> Used Zeroshot NLI models and fine-tuned Roberta to identify t	Sept 2022 – Present he targets of dehumanizing language.
With training on 947 examples, reached accuracy of 0.85.	
Research Project - Hallucination DetectionApr 2023 - PresentUC Santa CruzCreated model to identify six types of hallucinations, faithfully explaining model reasoning based onCONFIT. Annotated 100 summaries with team annotation guidelines. Adapted baseline (Zhou 2021),trained BigBird, reaching F1 of 0.69 across 6 classes. Developed prompting approach with GPT4 toreach F1 of 0.71.	
Research Project – History Dialog Corpus Chatbot <i>UC Santa Cruz</i> Collected 2900 Reddit posts from r/AskHistorians, generated sy these to train a GPT dialog agent with high Unieval groundedne and perplexity of 19.03.	
Research Project – RLHF Data Bias Detection UC Santa Cruz	May- Jun 2023
Investigated bias in Anthropic and REALTOXICITYPROMPTS usi the types of bias using a dictionary classifier. Built a less toxic Feedback (RLHF) tuned T5 model based on Anthropic dataset.	÷ ,
Research Project – Clickbait Spoiling UC Santa Cruz	Jan- Mar 2023
Question Answering model to detect main point of clickbait. Us and then pass those to get answer spans.	sed BERT models to select sentences
Grader & Tutor – NLP Programming Assignments <i>UC Santa Cruz</i>	Sept- June 2020
Grader & tutor for Natural Language Processing Class	

Gaming Project – Polite Minotaur July - Sept 2019 UC Santa Cruz Worked as a Game Programmer & 3D Artist on team of three for maze strategy game, Polite Minotaur. Created character & environment art in Blender 3D. Implemented AI techniques for enemy behavior using JS & Phaser. Research Project – Gene Data Cleanup June – Aug 2019 UC Santa Cruz Cleaned up read errors within bacterial genome & isolated viral genes for research paper using Python. Gaming Project – Number Puzzle Jan- Mar 2023

UC Santa Cruz Developed Number Puzzle Game using JavaScript & WebGL.

Intern Project – NER Resume Tagging

BizKonnect, India

Worked as a programmer Intern on a classified gold standard training set for use in NLP model of managerial resumes for sales intelligence company.

Jun- Aug 2018