Henri Malahieude

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EDUCATION

University of Colorado, Boulder   **August 2024 - Present**
- Doctorate of Philosophy in Computer Engineering
- PhD. Advisor: Dr. Joseph Izraelevitz

University of California, Riverside   **September 2021 - June 2024 (3 Years)**
- Bachelor's of Science in Computer Science
- **3.91** Cumulative GPA

EXPERIENCE

University of California, Riverside   **Hybrid Riverside, CA**

Assistant Researcher   *January 2023 - February 2024 (1 Year, 1 Month)*
- Assistant to Dr. Philip Brisk
- Studied Neural Network training and optimizations
- Designed an Artificial Intelligence project for accelerators
- Technology used: **Python**, **TensorFlow**, **LaTeX**, **Keras**

Software Assistant   *July 2022 - June 2023 (1 Year)*
- Assistant to Mr. Victor Hill, the Manager of Technical Operations for Bourns College of Engineering
- Designed and Upgraded various educational applications
- Transferred physical hardware across campus locations
- Technology used: **Docker**, **Typescript**, and **Javascript**

PROJECTS

Assistant Researcher   **University of California, Riverside**

Activation Linearizer   *January 2023 - February 2024 (1 Year, 1 Month)*
- Designed custom network layers using the **Keras** api
- Tested effectiveness of layers in different Neural Network Models
- Utilized the **Google Cloud Platform** for more intensive training
- Wrote **Python** files for the **TensorFlow** framework

Software Assistant   **University of California, Riverside**

Educational Extension   *January 2023 - June 2023 (6 Months)*
- Designed a **Visual Studio Code** simulation extension for the LC-3 assembly language
- Coordinated with professor of Computer Organization class
- Wrote **Typescript** files, and handled binary file integration

Server Backend Upgrade   *August 2022 - October 2022 (3 Months)*
- Services 1,000+ students at the Computer Science Department of UC Riverside
- Wrote **Dockerfile**s that are dynamically translated into **Singularity** files

SKILLS

- Proficient in **C/C++**, **Java**, **C#**, **GoLang**, and **CommonLisp**