

Henri Malahieude

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EDUCATION

University of Colorado, Boulder

August 2024 - Present

- Doctoral Student 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 Developer and 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, Javascript**

Credenzio Studios, LLC

Remote Denver, CO

Software Developer

March 2020 - December 2021 (1 Year, 10 Months)

- Growing **150k+** lines of code
- Helped increase Monthly Active Users on app by **2500%** by June 2021
- Managed a **MySQL** database using **MySQL Workbench**
- Agile methodology, 3-week sprints, daily meetings, **Jira/GitHub** Workflow Management
- Technology used: **Lua, Javascript (NodeJS), MySQL, Jira/Github**

PROJECTS

Assistant Researcher

University of California, Riverside

Activation Linearizer

January 2023 - February 2024 (1 Year, 1 Month)

- Designed and tested custom network layers using the **Keras** api
- Utilized the **Google Cloud Platform** for more intensive training

Software Assistant

University of California, Riverside

Educational Extension

November 2022 - June 2023 (8 Months)

- Designed a **Visual Studio Code** simulation extension for the LC-3 assembly language
- 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 **Dockerfiles** that are dynamically translated into **Singularity** files