

Daniel Lemmond

STUDENT · RESEARCH ASSISTANT

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“What a large volume of adventures may be grasped within this little span of life by him who interests his heart in everything.”

Summary

Current student and research assistant in the Vision and Security Technology (VAST) Lab at the University of Colorado. Passionate about machine learning and deep learning research with a concentrated interest in computer vision and adversarial examples. Outside of the lab I enjoy building programs in Go and hacking on Linux distributions.

Work Experience

VAST Lab

RESEARCH ASSISTANT

Colorado Springs, CO

May 2017 - PRESENT

- Leveraged a model to reclassify misclassified images to assess the occurrence rate of natural adversarials.
- Tested pre-trained models on computer vision tasks, including face recognition in SWIR images.
- Submitted a paper on Chainlets, a state-of-the-art technique for ear biometrics.

Narrativ, Inc.

CO-FOUNDER & COO

Colorado Springs, CO

Sept. 2015 - October 2016

- Built and shipped a mobile application on iOS for collaborative storytelling.
- Managed internal operations with Jira and Agile methodology.
- Oversaw internal company initiatives, including funding and outreach.

Education

University of Colorado

B.S. IN COMPUTER SCIENCE

Colorado Springs, CO

Aug. 2017 - May 2019

University of Colorado

BACHELOR OF INNOVATION IN BUSINESS ADMINISTRATION, CROSSCORE IN ENGINEERING

Dean's List

Colorado Springs, CO

Aug. 2014 - Dec. 2016

Projects

Arxbot

A GO-BASED SLACKBOT FOR RETRIEVING ARXIV PAPERS.

Primary Language: Go

- Arxbot interfaces with both the Slack API and the Arxiv API in order to retrieve papers via several different parameters, including author, title, and topic, each of which can be specified by the user. Created for use in the VAST Lab to facilitate tracking new publications and make the task of finding relevant papers much easier.

HouServer

A LOCALLY HOSTED FILE SERVER MADE POSSIBLE VIA A RASPBERRY PI AND AN EXTERNAL HARD DRIVE.

Primary Platform: Linux

- HouServer is a fileserver made with a Raspberry Pi and an external HDD. The server was built using No-IP, ownCloud, and Samba, serving as a central storage unit for most family files. It could be accessed globally through use of port forwarding and No-IP, which proved to be a boon in several situations. Briefly served as a local git server.

Extracurricular Activity

PEAKChaos/UC Cybersecurity Club

CORE MEMBER

Colorado Springs, CO

Aug. 2016 - PRESENT

- Gained insight into several hacking techniques, including reversing and website exploitation.
- Participated in several CTFs and security-centric events.
- Placed in the NSA's Codebreaker challenge as a Top20 school in the country.