

# Max Wollff

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## EDUCATION

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### Wesleyan University

BA

- GPA: 3.74/4.00

Middletown, CT, USA

2021 – 2025 (expected)

## EXPERIENCE

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### Research Intern

Max Planck Institute for Intelligent Systems

- Worked on understanding vision models in Wieland Brendel's group.

May 2022 – August 2022

Tübingen, Germany

### Research

Wolff Household

- Did basic machine learning research with my father, and we published two papers together. One was on the security of neural text detectors and was accepted to a workshop at ICLR 2020; the other was on gaining a better understanding of feature preference in CNNs and was accepted to SVRHM 2021.

January 2020 – May 2021

Los Angeles, CA, USA

### Volunteer/Engineer

AI4K12

- Built a web-based educational demonstration of facial detection using TinyYOLOv2. This was done under the supervision of David Touretzky at Carnegie Mellon.

August 2020 – April 2021

Remote

### Research Intern

Carnegie Mellon University

- Worked remotely with Mahmood Sharif on improving the security of facial recognition algorithms.

July 2019 – November 2019

Remote

### Research Intern

University of Illinois at Urbana-Champaign

- Worked with Professor Christopher Fletcher on using capsule networks for unsupervised learning and generative modeling.

June 2018 – August 2018

Urbana, IL, USA

## PUBLICATIONS

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*Signal Strength and Noise Drive Feature Preference in CNN Image Classifiers* | Max Wolff, Stuart Wolff | SVRHM 2021  
*Attacking Neural Text Detectors* | Max Wolff, Stuart Wolff | Trustworthy Machine Learning @ ICLR 2020

## TECHNICAL SKILLS

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**Programming Languages:** Python

**Frameworks:** PyTorch, TensorFlow

**Languages:** English, German (in progress)