

MAX ARGUS

CONTACT

argus.max@gmail.com

maxargus.com

Tel: +1 206-765-9484

Seattle, Washington

EDUCATION

University of Freiburg
PhD Computer Science, 2022
magna cum laude

“Computer Vision for
Robot Manipulation”

University of Heidelberg
M.Sc. Statistical Physics, 2015
Grade 1.7 (German scale)
“Image Segmentation with CNNs”

University of Heidelberg
B.Sc. Physics, 2013
Grade 1.9 (German scale)
“Electric Field Optimization of a
Rydberg Atom Experiment”

COMMUNITY

UW Cycling Club, Seattle
Club Officer, 2025 – Present

United World College, Freiburg
Volunteer, 2022 – 2024

LANGUAGES

Fluency in English and German

SKILLS

Office: PowerPoint, Excel, Word
GenAI: Coding agents, workflows
CS: Python, C/C++, git, ...
ML: PyTorch, Jupyter, OpenGL, CUDA
Web: JavaScript, Web-APIs, HTML, CSS
Data: SQL/Databases, matplotlib, XML

PUBLICATION LISTINGS



(web links)

ALLEN INSTITUTE FOR ARTIFICIAL INTELLIGENCE

Research Scientist, Robotics, with Prof. Dieter Fox Mar 2026 – Present

Postdoctoral Researcher, PRIOR, with Prof. Ranjay Krishna Jun 2025 – Mar 2026

- Researching machine learning foundation models for manipulation and building scaled data-generation and evaluation simulation systems, e.g. MolmoSpaces and MolmoBot.
- Publishing highly selected research at top machine learning and robotics conferences, e.g. NeurIPS (spotlight), CoRL (oral), RSS, ICRA (1,824 citations, h-index 16)
- Supervising PhD and undergraduate students at the University of Washington

UNIVERSITY OF FREIBURG

Postdoc, Computer Science, with Prof. Brox Sept 2022 – May 2025

- Supervised PhD, Master and Bachelor students, wrote funding proposals, and coordinated collaborations across departments, including the university hospital and robotics lab
- Lectured and presented at international conferences

PhD Student, Computer Science, with Prof. Brox & Burgard Nov 2017 – Feb 2022

- Researched and published papers at top conferences in the areas of computer vision, reinforcement learning, and self-supervised learning, etc.

SYMBIO ROBOTICS

Intern, Andreessen Horowitz Internship Program Summer 2019

- Developed computer vision algorithms for the rapid automation of manual tasks in automotive vehicle assembly

RADBOD UNIVERSITY

Researcher, Diagnostic Image Analysis Group Oct 2016 – Oct 2017

- Researched computer vision algorithms for the automated assessment of Chronic Obstructive Pulmonary Disease (COPD) from CT scans in the context of medical screening

UNIVERSITY OF CALIFORNIA BERKELEY

Intern, Berkeley Artificial Intelligence Research Lab (BAIR) Summer 2016

- Researched self-supervised pre-training for reinforcement learning at BAIR with Professor Trevor Darrell

MERCEDES-BENZ GROUP

Intern & Software Engineer, Visual Perception Group Summer 2013

- Developed computer vision algorithms for 3D map reconstruction, optical flow and evaluated CNNs for vehicle detection at the visual perception group

GERMAN AEROSPACE CENTER

Intern, Robotics and Mechatronics Center Summer 2011

- Designed and implemented a grasp planner for the Justin and Hasy robots as well as physics simulation integrating Bullet Physics Engine with the OpenRave project

GOLDMAN SACHS

Intern, Fixed Income Currency and Commodities (FICC) Summer 2010

- Immersive internship focused on understanding all operational areas with a focus on smart order routing algorithmic trading systems

PIMCO

Intern, PIMCO Germany Summer 2009

- Conceived and implemented a system to parse and format risk report data into an email mailing list for effective distribution using Django and SQL