

Arne Mallon

+49 176 45608285 | arne.mallon@icloud.com | [linkedin.com/in/arnemallon/](https://www.linkedin.com/in/arnemallon/) | [arnemallon.com](https://arne.mallon.com)

EDUCATION

University of California, Berkeley

Visiting Student, Computer Science

Scholarships for tuition and living expenses

Berkeley, CA

Jan. 2026 – May 2026

University of Hamburg

Bachelor of Science, Software Systems Engineering

Grade: Top 2%

Hamburg, HH

Aug. 2023 – Oct. 2027

EXPERIENCE

Undergraduate Research Assistant

University of California, Berkeley

- School of Information
- Subjects area: Machine Learning on Mobile Phone Meta Data
- Supervisor: Prof. Joshua Blumenstock

Feb. 2026 – Present

Berkeley, CA

Undergraduate Research Assistant

University of Hamburg

- Department of Mathematics — Mathematical Statistics & Stochastic Processes
- Subject areas: Machine Learning, Mathematical Statistics
- Supervisor: Prof. Dr. Johannes Lederer

Oct. 2025 – Present

Hamburg, HH

Co-Founder

WebLabs Solutions

- Developed user-centric websites of different sizes and domains
- Consulted clients on website design, user experience, website analytics, search engine optimization
- 5+ website projects with multiple four-figure-paying clients

Apr. 2025 – Present

Hamburg, HH

PROJECTS

AEO Outreach Tool | *Python, Svelte, Typescript, Google Lighthouse Automation, Git*

Jan 2026 – Present

- Developed a pipeline that identifies potential customers, generates specialized audits, and tracks performance
- Currently implementing machine learning algorithms to analyze performance metrics and adjust outreach strategy
- Conducted stakeholder interviews with agency owners and used insights to pivot from specializing in SEO to AEO
- Built an MVP and secured relevant initial product testers

Money Laundering Compliance Platform | *Python, Svelte, JavaScript, PostgreSQL, Git*

May 2025 – Present

- Developed ML models to detect illicit activity in transaction graphs, focusing on money laundering classification
- Designed hybrid neural network, decision tree approach using graph embeddings & statistical transaction features
- Built a full stack web app that extracts features from Bitcoin addresses and performs automated classification
- Implemented a dashboard with address lookup, graph visualization, alerts, database-backed transaction history
- Co-authoring a research paper on the my methodology in collaboration with a professor and a PhD candidate

TECHNICAL SKILLS

Languages: Java, Python, C/C++, SQL (Postgres), JavaScript/TextScript, HTML/CSS

Frameworks: Flask, JUnit, Svelte

Developer Tools: Git, Docker, Firebase

Libraries: TensorFlow, PyTorch, Scikit-learn, pandas, NumPy, Matplotlib