

Kevin Ha

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Education

RWTH Aachen University

B.Sc. in Computer Science

Current Grade: 2.0

M.Sc. in Computer Science

Aachen, Germany

Graduation Date: September 2025

Expected: September 2027

Gymnasium an der Gartenstraße

Higher School Certificate

Grade: 1.0

Awards: Arconic Foundation Innovative Sustainability Business Idea Award

Mönchengladbach, Germany

Graduation Date: July 2022

Experience

Fraunhofer-Institut für Produktionstechnologie IPT

Internship – Software Development

Aachen, Germany

April 2024 – July 2024

- Developed a dynamic management website YAMS using Python, Django framework, and PostgreSQL, enabling efficient data handling and user interaction.
- Enhanced the website's usability by integrating responsive design elements with Bootstrap, improving accessibility across devices.

Private Tutor – Mathematics

April 2022 – December 2024

- Designed personalized lesson plans for high school students.
- Helped students to improve their grades by at least one level.

Theater Krefeld und Mönchengladbach gGmbH

Theatre Service Staff

Mönchengladbach, Germany

October 2022 – August 2025

- Assisted in managing audience services, including seating arrangements and customer inquiries, ensuring smooth event operations.
- Developed strong teamwork and communication skills in a high-pressure environment.

Leadership & Activities

Mehrgenerationenhaus

Deputy Course Instructor – Digital Cafe

Mönchengladbach, Germany

July 2022 – January 2025

- Assist senior citizens in a relaxed, café-style setting, teaching them how to use digital devices, such as smartphones and computers.
- Provide personalized, one-on-one support to help participants with online safety, troubleshooting, and basic technology usage.
- Create a comfortable and friendly atmosphere where participants can learn at their own pace and build confidence in using technology.

Skills & Projects

Skills:

- **Programming Languages:** Java, Python, C, JavaScript
- **Web Development:** HTML, CSS, Tailwind CSS, React, Next.js
- **Backend & Frameworks:** Django, FastAPI
- **AI & Agent Frameworks:** LangChain, LangGraph, AI SDK 5
- **Tools:** Git

Projects:

- **Financial Sentiment Analyzer:** Leading the development of an AI-powered financial sentiment analysis platform for the Aachen Investment Club. Built a web system using FinBERT to process text and PDF reports, integrated with a FastAPI backend for sentiment inference, and added a chatbot for interactive financial insights.
- **Resume Agent:** Developing an autonomous human-in-the-loop AI agent that rewrites and optimizes resumes based on a target job description. Implemented automated JD scraping, PDF resume parsing, gap analysis, iterative rewriting, and user-guided refinement to generate tailored, professional resumes.
- **MOAT Stock Explainer:** Developing a multimodal LLM-based system that explains historical stock behavior of MOAT-rated technology companies to non-experts. Integrated financial news and stock price time-series data to generate plain-language causal narratives linking company fundamentals, market events, and price movements.
- **ScrumiX:** Developed an AI-powered Scrum management system designed to enhance agile team productivity and collaboration through intelligent automation and smart assistance with AI agents. The frontend is built with Next.js and communicates with a FastAPI backend that handles business logic and AI workflows to support intelligent Scrum management.
- **DragFlow:** Designed and implemented an interactive, web-based drag-and-drop interface using React and Next.js. Developed a FastAPI backend to manage roles and persist workflow state. Enabled dynamic assignment and reordering of predefined roles within a visual planning area.
- **YAMS:** Developed a management website for the Fraunhofer institute as part of a team using Python, Django, and PostgreSQL. This website enables users to store important inquiries, acquisition, and other data in a database while providing an intuitive user interface to interact with other users and create entries in the database.
- **Pomodoro Scheduler:** Developed a personalized Pomodoro scheduler in Java, providing a structured daily framework for time management. Implemented customizable time blocks and enhanced user experience through a clear console interface.