



RAMIN HEDESHY

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EDUCATION

PhD Student

University of Stuttgart
since 2020

M.Sc Web Science

University of Koblenz-Landau
2016-2019

B.Sc Software Engineering

Azad University of Mashhad
2009-2012

SKILLS

C++, PHP, Python, Java
JavaScript, Node.js, AngularJS
HTML, CSS, jQuery
MySQL, MongoDB
Drupal, Django, Express, Slim
Eye Tracking
Machine Learning
Unity, and MRTK

EXPERIENCE

April 2020 - Present, Scientific Employee

Analytic computing department, University of Stuttgart
My research focus is on multimodal interaction combining eye tracking with other modalities, AR/VR Interactions, and accessibility.

Aug 2016 - Mar 2020, Senior Full-stack Web Developer

Union Betriebs-GmbH
The Union-Gesellschaft (UBG), headquartered in Rheinbach and permanent establishment in Berlin is the economic operation of Christian Democratic Union.

Jun 2015 - Mar 2016, Senior Back-end Developer

Bliksund AS
Responsibilities included: Development of a RESTful web service using Slim Framework, Website performance optimization, and consulting

TEACHING

2020 Tutor in Machine learning

2021 Tutor in Human-Computer interaction and Information Retrieval

AWARDS

2013 Web application Security, Ferdowsi University of Mashhad

SELECTED SOFTWARE PROJECTS

MICME. A BMWi funded project with the aim of providing multimodal hands-free interactions for surgeons in medical environments.

Antragswesen. A rules repository system I have implemented for CDU.

Angela Merkel's Personal Website. I've been entrusted with the task of implementing the personal website of Chancellor of Germany, Angela Merkel.

EyeTube. Users can search and watch YouTube videos in this web application.

Bliksund Native Application. The Bliksund project contains many functionalities, mainly facilitating the communication between hospitals and ambulances.

SELECTED PUBLICATIONS

R. Hedeshy, C. Kumar, R. Menges, S. Staab

Hummer: Text Entry by Gaze and Hum. "CHI '21, May 08–13, 2021, Yokohama, Japan"

R. Hedeshy, C. Kumar, R. Menges, S. Staab

GIUPlayer: A Gaze Immersive YouTube Player Enabling Eye Control and Attention Analysis.

"ETRA '20: 2020 Symposium on Eye Tracking Research and Applications"

C. Kumar, R. Hedeshy, R. Menges, S. Staab

TAGSwipe: Touch Assisted Gaze Swipe for Text Entry. "CHI '20, April 25–30, 2020, Honolulu, HI, USA"

