



ABOUT ME:

✉ aziz.niyazov@irit.fr

Prochainement diplômé d'un doctorat en interaction homme-machine, je possède de solides capacités de réflexion et d'esprit critique. Je suis passionné par la conception et l'expérience utilisateur dans le domaine de l'interaction ubiquitaire. Grâce à mon expérience internationale et ma créativité, je peux concevoir des applications innovantes qui résolvent des problèmes concrets et vulgariser les résultats de mes recherches pour les rendre accessibles et efficaces.

AZIZ NIYAZOV

EDUCATION:

Ph.D. Human-Computer Interaction
IRIT, Paul Sabatier University,
France
2019 - 2023 (present)

M.Sc. Human-Computer Interaction
Bauhaus University Weimar,
Germany
2017-2019

B.Sc. Computer Engineering
Politecnico di Torino, Italy
2011-2016

LANGUAGES:

French - B1
German - B1
English - C1
Russian - Native
Uzbek - Native

SKILLS:

Programming (C, C#, C++, Python),
Git, Prototyping, UX Design, User-
centered Evaluation, Arduino,
Raspberry Pi, Sketches/Illustrations

Unity 3D, Visual Studio, QtCreator,
Adobe Creative Cloud (Lightroom,
Premiere Pro, Illustrator,
Photoshop), Figma

INTERESTS:

Photography (including photo
contests), Videography, Latino and
Street **Dancing** (including dancing
contests), Guitar playing

PUBLICATIONS

Hamburg, Germany
2023

● **User-driven Constraints for Layout Optimisation in Augmented Reality**
CHI Conference on Human Factors in Computing Systems

Aziz Niyazov, Barrett Ens, Kadek Ananta Satriadi, Nicolas Mellado, Łoic Barthe, Tim Dwyer, Marcos Serrano

Łódź, Poland
2021

● **Dynamic Decals: Pervasive Freeform Interfaces Using Constrained Deformable Graphical Elements**
ISS Conference on Interactive Surfaces and Spaces

Aziz Niyazov, Nicolas Mellado, Łoic Barthe, Marcos Serrano

RESEARCH PRESENTATION

Hamburg, Germany
2023

● CHI 2023
User-driven Constraints for Layout Optimisation in Augmented Reality

Hamburg, Germany
2023

● CHI 2023 Workshop on Future of Computational Approaches for Understanding & Adapting User Interfaces
Bringing Interactivity into Spatial Content Layout Optimisation

Online
2022

● CHI 2022 Workshop on Computational User Interfaces. (New Orleans, LA, USA)
Challenges and Opportunities of Content Optimisation for Freeform User Interfaces

Łódź, Poland
2021

● ISS 2021
Dynamic Decals: Pervasive Freeform Interfaces Using Constrained Deformable Graphical Elements

Online
2021

● Journée Interaction Humain-Machine, Informatique Graphique et Réalité Virtuelle: Objets Tangibles

Online
2021

● Doctoral Consortium in International Francophone Conference of Human-Computer Interaction (Metz, France)

Weimar, Germany
2018

● "Care Robot" exhibition in Universal Design Conference
InfoSight - a concept that helps people in healthcare.

INTERNSHIPS

Melbourne, Australia
2022

● User-driven Constraints for Immersive Layouts Optimisation Data Visualisation and Immersive Analytics Lab, Monash University
I made a research collaboration to develop a AR prototype using HoloLens 2 and Unity and conducted a user study for gesture elicitation.

- Toulouse, France
2019

● **Human-Computer Interaction and Computer Graphics**
IRIT, Paul Sabatier University.
I developed a prototype and conducted users study for my Master Thesis on “Design and evaluation of non-rectangular user interfaces”
- Gifu, Japan
2015

● **Robotics Program**
NIT Gifu College
I developed autonomous robots using PIC microcontrollers, sensors and actuators
- Tashkent, Uzbekistan
2013

● **Web Developer**
Gühring Tool Management Company
I developed web-site and customer database

WORKING EXPERIENCE

- Weimar, Germany
2018

● **DIY in HCI - Crafting Electronic Textiles (part time/ HiWi)**
Digital Bauhaus Lab
I assisted in programming of Adafruit Feather devices for dancing costumes to remotely control RGB lights and vibration motors via body movement using accelerometer, gyroscope and OSC (Open Sound Control)
- Tashkent, Uzbekistan
2016 - 2017

● **Engineer at Mechatronic Centre**
Turin Polytechnic University in Tashkent
I developed extra-curricular study program for Raspberry Pi training course. I also delivered a prototype of remote controlled car using network connection with the help of Raspberry Pi, Arduino, sensors and actuators.
- Tashkent, Uzbekistan
2015

● **Programmer (part time)**
CTRL +
I assisted the software development projects based on Raspberry Pi and Arduino
- Tashkent, Uzbekistan
2011-2013

● **IT specialist (part time)**
Turin Polytechnic University in Tashkent
I was responsible for maintenance of university computers, office equipment and computer network. I also developed and updated university website and Info Desks.

TRAININGS

- Toulouse, France
2021

● **Universeh Startech**
I gained fundamentals of entrepreneurship and delivered a final group project
- Online
2021

● **Introduction to Personal Branding**
I took an online course from Coursera provided by University of Virginia
- Online
2020

● **Presentation Skills: Speechwriting and Storytelling**
I accomplished an online course from Coursera provided by National Tomsk State University
- Tashkent, Uzbekistan
2018

● **JavaScript Course by Korean IT volunteers (KIV)**
I learned JavaScript programming using NodeJS
- Tashkent, Uzbekistan
2016

● **Java and Android ICT Course by Korean IT volunteers (KIV)**
I learned to develop GUIs for android using XML and Java
- Tashkent, Uzbekistan
2013

● **Vuforia - Augmented Reality**
Training for mobile developers supported by Qualcomm
- Tashkent, Uzbekistan
2012

● **C Programing Course by Korean IT volunteers (KIV)**
I boosted my C programming skills