Alessandro Iop

Date of birth: 16/09/1996 | **Nationality:** Italian | **Gender:** Male | (+46) 730957391 |

aiop@kth.se

WORK EXPERIENCE

01/07/2021 – 31/12/2021 – Stockholm, Sweden
RESEARCH ENGINEER – KAROLINSKA UNIVERSITETSSJUKHUSET

Research on surgical Mixed Reality navigation systems for cranial neurosurgery and development of an Augmented Reality and Augmented Virtuality application prototypes for assisting neurosurgeons during operations.

Human health and social work activities

10/2021 – 11/2021 – Stockholm, Sweden
UNIVERSITY TEACHING ASSISTANT – KUNGLIGA TEKNISKA HÖGSKOLAN

TA in Media Production, for 3rd-year BSc and 1st-year MSc students.
Design of a lab activity to teach students the basics of doing graphic design on Adobe Illustrator.

School of Electrical Engineering and Computer Science | Education | https://www.kth.se |

Lindstedtsvägen 3, 11428, Stockholm, Sweden

09/2020 – 12/2020 – Stockholm, Sweden
UNIVERSITY TEACHING ASSISTANT – KUNGLIGA TEKNISKA HÖGSKOLAN

TA in Human Perception for Information Technology, for 1st-year MSc students.
Grading of lab activities and individual paper reviews within the field of Neuroscience and Technology.

School of Electrical Engineering and Computer Science (EECS) | Education | https://www.kth.se |

Lindstedtsvägen 3, 11428, Stockholm, Sweden

EDUCATION AND TRAINING

08/2019 – CURRENT – Brinellvägen 8,, Stockholm, , Sweden
MSC IN INTERACTIVE MEDIA TECHNOLOGY – Kungliga Tekniska Högskolan

Visual Media track.
Field(s) of study
- Information and Communication Technologies : *Inter-disciplinary programmes and qualifications involving Information and Communication Technologies (ICTs)*

Thesis: Perception of Politeness in Virtual Reality Conversational Agents

ECTS | 120 | https://www.kth.se

10/2015 – 03/2019 – Via delle Scienze 206,, Udine, , Italy
BSC IN WEB AND MULTIMEDIA TECHNOLOGIES – Università degli Studi di Udine

Design, development and evaluation in the fields of Web Development, Multimedia Production and Human-Computer Interaction.
Field(s) of study
- Information and Communication Technologies : *Software and applications development and analysis* | *Inter-disciplinary programmes and qualifications involving Information and Communication Technologies (ICTs)* | *Information and Communication Technologies (ICTs) not further defined*

Thesis: Elaborazione e Organizzazione di Contenuti per un Catalogo Multimediale di Applicazioni

99 | ECTS | 180 | https://www.uniud.it/it

09/2010 – 07/2015 – Viale Leonardo Da Vinci 10,, Udine, , Italy
HIGH SCHOOL DIPLOMA – Istituto Statale Istruzione Superiore "Arturo Malignani"

Scientific high school (liceo) with a focus on Mathematics, Physics, Biology, Chemistry, Hearth Sciences and Computer Science.
Field(s) of study
- ◦ Natural sciences, mathematics and statistics : *Inter-disciplinary programmes and qualifications involving natural sciences, mathematics and statistics*

84 | http://www.malignani.ud.it

● LANGUAGE SKILLS

Mother tongue(s): **ITALIAN**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	C2	C2	C2	C2	C2
SWEDISH	A1	A1	A1	A1	A1

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

● DIGITAL SKILLS

Web Development

HTML | Wordpress | JavaScript | Materialize | Node.js | CSS | Adobe Illustrator | PHP | SQL | React.js | d3.js | Firestore

Media production and graphic design

Adobe Premiere | Adobe Lightroom | Adobe Photoshop | Adobe Audition | Audacity | GIMP | DaVinci Resolve

Mixed Reality and Computer Graphics

Unity | three.js | C# | Java3D | Processing | Blender | VR | AR

Other Skills

Java | OOP | Matlab | Latex | Microsoft Office | Photography

● PUBLICATIONS

Perception of Emotions in Knocking Sounds: An Evaluation Study

https://www.diva-portal.org/smash/record.jsf?pid=diva2:1446843 – 2020

Perception of Emotions in Multimodal Stimuli: the Case of Knocking on a Door

https://www.diva-portal.org/smash/record.jsf?pid=diva2:1573599 – 2021