

Student	Huy Hoang Pham	Study right duration	
Date of birth	30.03.2000	01.08.2024–30.12.2025	
Student number	2417385	Graduated	
Decree on university degrees	Government Decree on University Degrees 794/2004	Required credits	<b>120 cr</b>
Degree	Master of Science	Completed	<b>153 cr</b>
Faculty	Faculty of Science, Forestry and Technology		
Programme	International Master's Degree Programme in Information Technology (IMPIT)		
Main subject	Computer Science		

Studies	Credits	Assessment	Date	Assessed by
<b>Master of Science</b>			<b>30.12.2025</b>	
<b>General studies (MSc)</b>	<b>1 cr</b>	<b>Pass</b>	<b>22.12.2025</b>	<b>Simo Juvaste</b>
LT00DU74 Preparing Personal Study Plan (MSc, IMPIT)	1 cr	Pass	22.12.2025	Oili Kohonen
<b>Computer Science, advanced studies</b>	<b>136 cr</b>	<b>5</b>	<b>30.12.2025</b>	<b>Simo Juvaste</b>
3621592 Master's Thesis in Computer Science	30 cr	5	30.12.2025	Simo Juvaste
3621593 Master's Essay (Computer Science)		Pass	22.12.2025	Tomi Kinnunen
3621535 Master's Project in Computer Science	15 cr	5	22.12.2025	Tomi Kinnunen
Kolmogorov–Arnold Network-based Model for Interpretable and Adaptive Speech Deepfake Source Tracing				
3621566 IMPIT/CBU-seminar	2 cr	Pass	22.12.2025	Oili Kohonen
3621513 Research Methods in Computer Science	6 cr	5	09.04.2025	Jarkko Suhonen
3621511 Design and Analysis of Algorithms	6 cr	4	05.12.2024	Pasi Fränti
3621688 Artificial Intelligence	6 cr	5	20.12.2024	Pekka Toivanen
3621517 Pattern Recognition	6 cr	5	23.05.2025	Xiao-Zhi Gao
3621695 Data engineering and software engineering (advanced level)	5 cr	5	28.10.2024	Virpi Hotti
3621600 Advanced Deep Learning	5 cr	5	11.12.2024	Xiao-Zhi Gao
3621518 Machine Vision	5 cr	5	01.04.2025	Pekka Toivanen
3621699 Machine Learning for Speech	5 cr	5	02.12.2025	Jagabandhu Mishra
LT00EX18 learning analytics and AI in education	5 cr	5	14.10.2025	Sonsoles López Pernas
3621689 Graph Mining	5 cr	4	05.11.2025	Pauli Miettinen
3621681 Matrix Decompositions in Data Analysis	5 cr	4	06.11.2024	Pauli Miettinen
3621662 Insights from Data (advanced)	5 cr	5	13.12.2024	Elaheh Moradi
3621680 Algorithmic Data Analysis	5 cr	5	08.04.2025	Esther Galbrun
3622352 Probabilistic inference for data science 1	5 cr	5	12.12.2024	Mika Hujo
3622353 Probabilistic inference for data science 2	5 cr	5	27.05.2025	Juho Kopra
3622351 Statistical Data analysis	6 cr	5	14.03.2025	Mika Hujo
LT00DL33 Introduction to Quantum Computing	4 cr	Pass	30.01.2025	Tomi Kinnunen
<b>Language studies (MSc)</b>	<b>8 cr</b>	<b>Pass</b>	<b>05.05.2025</b>	<b>Simo Juvaste</b>
KK00CK91 Finnish 1A: Introduction to the Finnish language	2 cr	Pass	11.10.2024	Katri Niemi
KK00CK92 Finnish 1B	2 cr	Pass	28.11.2024	Katri Niemi
KK00CK93 Finnish 2A	2 cr	Pass	09.03.2025	Johanna Järveläinen
KK00DQ38 Finnish 2B	2 cr	Pass	05.05.2025	Elina Heimala
<b>Optional and minor subject studies (MSc)</b>	<b>8 cr</b>	<b>Pass</b>	<b>18.03.2025</b>	<b>Simo Juvaste</b>
3622223 Basic Course in R	2 cr	5	05.12.2024	Federico Malato
8000CZ91 Information Skills and Sources in Computer Science for International Students	1 cr	5	08.12.2024	Tapani Toivanen
1131003 Orientation for International Students	1 cr	Pass	23.09.2024	Kirsi Konttinen
8031003 University Study Skills	1 cr	Pass	01.11.2024	Niina Rissanen
UE00CS28 Career planning - self-study course	1 cr	Pass	18.03.2025	Kirsi Vallius-Leinonen
UE00CS42 Basics of Finnish Working Life - self-study course	1 cr	Pass	11.02.2025	Hanna Reinikainen
UE00CS40 Job seeking self-study course	1 cr	Pass	18.03.2025	Outi Suorsa

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**Master's Thesis Title:** Kolmogorov–Arnold Network-based Model for Interpretable and Adaptive Speech Deepfake Source Tracing

**Assessment:** 5

**Assessment date:** 30.12.2025

**Assessed by:** Simo Juvaste

### Definitions of grades

UEF	ECTS	
5 = excellent	A	Laudatur (L) = excellent
4 = very good	B	Eximia cum laude approbatur (ECL) = very good
3 = good	C	Magna cum laude approbatur (MCL) = good
2 = satisfactory	D	Cum laude approbatur (CL) = satisfactory
1 = sufficient	E	Non sine laude approbatur (NSA) = fairly satisfactory
		Lubenter approbatur (LA) = passable
		Approbatur (A) = sufficient

Pass = course completed successfully

Doctoral dissertations and licentiate thesis are graded on a scale of Pass with distinction (PassD) or Pass (Pass).

Approved courses in the Second Domestic Language (Swedish or Finnish) are graded with the scale Satisfactory (TT) or Good (HT).

The measure for the extent of studies shall be a credit point. The average input of 1600 working hours needed for studies of one academic year shall correspond to 60 credits.

One credit equals one ECTS credit.

The combined extent of basic and intermediate studies shall be a minimum of 60 credits.

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Electronic signature

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