

# UAA INTERDISCIPLINARY (INDS) MASTER'S PROGRAM

# **Proposed Graduate Studies Plan**

Applicants Full Name:	UAA Student ID:
Patrick Alan Donald Pragman	30812903
Email: pat@pragman.io / pdpragman@alaska.edu	Date of Birth: 15APR1988

Please complete this GSP in consultation with your proposed committee chair.

### A. Degree Information

Degree Sought: Interdisciplinary MS MA	INDS Title: Computer Vision
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**B.** Proposed Committee Members

	Printed Name	Department/College
Committee Chair (requires letter of endorsement)  1st member	Frank Witmer	Computer Science Computer Engineering
2 <sup>nd</sup> Member	Tobias Schwoerer	Natural Resource Economics (UAF)
3 <sup>rd</sup> Member	Matthew Carlson	Biology

<sup>\*</sup>Please place an asterisk before the name of the committee member from graduate degree program(s) at UAA.

#### C. Courses and Credits

**UAA 600 level credits:** (minimum 21 credits)

Semester	Course Dept. & Number	Course Title			
FALL 2022	STAT F651	Statistical Theory I	3		
FALL 2022	CSCE A605	Advanced Artificial Intelligence			
FALL 2022	CSCE A601	Advanced Software Engineering	3		
SPRING 2023	CSCE A698	Individual Research	3		
SPRING 2023	STAT F652	Statistical Theory II	4		
FALL 2023	CSCE A615	Advanced Machine Learning	3		
FALL 2023	CSCE A699	Thesis	3		
SPRING 2024	CSCE A699	Thesis	3		
SPRING 2024	STAT F653	Statistical Theory III	3		

#### **UAA 400 level credits:**

Semester	Course Dept. & Number	Course Title	Credits
SPRING 2023	MATH A424 or Math A425	Advanced Engineering Mathematics: Linear Algebra and Numerical Analysis or Advanced Engineering Mathematics: Partial Differential Equations and Complex Variables	3

## **UA Leveling Courses** (100-, 200-, 300-, and or 400- level courses.):

These courses are an essential part of preparing you for your program, but do not count toward degree requirements.

Semester	Course Dept & Number	Course Title	Credits

**Transfer Courses:** Graduate degree credits will be transferable within the UA system and from any other regionally accredited institution for courses in which the student has received a grade of "B" or better. See the UAA catalog for additional stipulations. All courses must be within the seven year limit and not used towards a prior degree.

Semeste	Course Dept & Number		Course Title	Credits
	, and the second			
(	Courses to be transferred from: _			
		Nai	ne of Institution(s)	
1	Total Program Credits:			
Research	n and Thesis/Project Credits (mu	st have at least 6 credits of thesis o	r project)	9
	e Courses (other than A699 thesi			22
	aduate Courses (400 level only)			3
Total Nu	umber of Credits (30 credits min	imum required)		31
D. Engui	ltv/Committee Chair Ende	vaam ant		
	Ity/Committee Chair Endo		licant and their committee chair prior to sub	umission of the IIAA
	School Application and Proposed G		neant and then committee chair prior to sub	mission of the UAA
Date of M	1eeting: <u>2JUN202</u>	<u> </u>		
1 1	Daned on the analisant's assess			4h d
			ent on the significance and feasibility of	tne proposed
1	research and interdisciplinary nat	ure of this effort.		
1	and statistical skillset to achieve	his goal of using machine learning nat it requires skills in statistics, co	DS MS degree will enable him to expand g and computer vision to help solve socion puter programming, data analysis, and	etal problems. The
		does not fit under an existing grad	uate degree program at UAA.	
1	UAA currently does not offer graduate degrees in computer science, statistics, or data science, for which this research could reside. Instead, the INDS MS degree enables methods and knowledge from these multiple disciplines to be combined to further the student's career and educational goals.			
3. 1	What expertise will be required f	rom the student's committee to assi	ist the applicant in their master's prograi	m?
	The student's committee will requenties and invasive species		earning, programming, computer vision,	, data
	Describe the key academic streng success in the INDS program.	gths (or previous employment expe	rience) of the applicant that will increase	e the likelihood of
i G	instructor experience will also se	rve him well during his studies. He	rease his likelihood of success. His man is exceptionally motivated to work on the nducting the necessary research and wr	his project and take
Committe	e Chair Name	Signature	Department/College	 Date

# Approved by:

Printed Name	Signature	Program/ College	Date
Home Program Director/Chair			
Home College Dean			
Graduate School Dean:		Graduate School	

Please email the completed form to the Office of the Graduate School (esmattion@alaska.edu\_) for final approval and processing.