WATERLOO | CO-OPERATIVE EDUCATION

Student Performance Evaluation

Developing Performance

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Job Title:

NINT Hybrid Nanoscale Electronics Program

Job Description: Job Title: Co-op Student - NINT Hybrid Nanoscale Electronics program Description: Duties include circuit design with molecular electronic junctions and soldiering of circuit boards. Nanofabrication of molecular junctions using a newly devised SIM-card format. Testing and validation of SIM-card molecular junction methods and jigs, and testing of their use in molecular junction audio circuitry. The production of several prototype devices incorporating circuit boards with SIM-card holders using existing circuit designs, with opportunity for refining of the circuit to optimize performance. The SIM-card format will incorporate a changeable molecular junction chip such that new molecular junctions can be systematically substituted for testing and to alter the distortion that is produced by the circuit. Ultimately the prototype devices will be used for industry evaluation of audio soft-clipping circuits (quitar gain compression devices) that utilize molecular electronic junctions for the first time (this application is subject to a provisional patent filed in AUG 2013, and data generated during this project may be used for the utility patent application).

					•		
1	2	3	4	5	6	7	Not Observed
Developing	Performance		Good Performan	J		perior Perfor	
Shows little enthus	siasm for assigned work,		about their ass		 Displays enthusiasm for work that 		work that is beyon
infrequently reques	sts additional tasks	•	o new responsib	oilities, asks for	their job requirements; proactively see		
		new tasks			new tasks a	nd responsib	ilities
2. Ability to Learn. ⊺	The extent to which the sto	ident becomes	proficient with jo	b duties and wor	k processes.		
				•			
1	2	3	4	5	6	7	Not Observed
	g Performance		Good Performan			perior Perfor	
	become proficient at	 Quick to be 	come proficient	at new tasks			the complexity an
new tasks or work	processes				difficulty of work they are able to successfully complete		
o ensure quality worl	The ability of the student tk.	o set high stand	lards for own pe	rsonal performan	ce; strive for qu	ality work; pu	it forth extra effor
1	2	3	1	5	6	7	Not Observe
1 Developing	2 Performance	3	4 Good Performan	5 Ce	6 Su	7	
	2 g Performance et expectations, has	G	4 Good Performan		6 Su • Work is alwa	7 perior Perfor	mance
 Work does not me 		G	ally very thorou		• Work is always	•	mance ough and of
Work does not me	et expectations, has	• Work is usu	ally very thorou		• Work is always	ays very thore	mance ough and of
Work does not me more than the exp	et expectations, has	 Work is usu done, few e 	ally very thorou rrors	gh and well	Work is alway excellent quality	ays very thoroality, few if ar	mance ough and of
Work does not me more than the exp	et expectations, has ected number of errors	 Work is usu done, few e 	ally very thorou rrors	gh and well	Work is alway excellent quality	ays very thoroality, few if ar	mance ough and of
Work does not me more than the exp	et expectations, has ected number of errors The volume of work proc	• Work is usu done, few e uced by the stu	ally very thorourrors dent, along with	gh and well his or her speed 5	Work is alway excellent quantum and consistence 6	ays very thord ality, few if ar by of output.	mance bugh and of ny errors Not Observed
Work does not me more than the exp 1. Quantity of Work. 1 Developing	et expectations, has ected number of errors The volume of work proc 2 3 Performance	• Work is usu done, few e uced by the stu	ally very thorou rrors dent, along with 4 Good Performan	gh and well his or her speed 5 ce	Work is alway excellent quantum and consistence 6 Su	ays very thore ality, few if ar by of output. 7 perior Perfor	Not Observed
Work does not me more than the exp I. Quantity of Work. 1 Developing Does not always of	et expectations, has ected number of errors The volume of work proc	• Work is usu done, few e uced by the stu	ally very thorountrors dent, along with 4 Good Performanthe majority of w	gh and well his or her speed 5 ce	Work is alway excellent quantum and consistence 6 Successions of the consistently consistent consistency co	ays very thore ality, few if are cy of output. 7 perior Perfore completes w	mance bugh and of ny errors Not Observed mance vork ahead of
Work does not me more than the exp Developing	et expectations, has ected number of errors The volume of work proc 2 3 Performance	• Work is usu done, few e uced by the stu	ally very thorountrors dent, along with 4 Good Performanthe majority of w	gh and well his or her speed 5 ce	Work is alway excellent quantum and consistence 6 Successions of the consistently consistent consistency co	ays very thore ality, few if ar by of output. 7 perior Perfor	mance bugh and of ny errors Not Observed mance vork ahead of
Work does not me more than the exp Developing Does not always colimits	et expectations, has ected number of errors The volume of work proc 2 g Performance complete work within time	• Work is usu done, few e uced by the stu 3 • Completes to specified de	ally very thorountrors dent, along with 4 Good Performanthe majority of weadlines	gh and well his or her speed 5 ce vork within	Work is alway excellent quantum and consistence 6 Su Consistently schedule; see	ays very thore ality, few if are sy of output. 7 perior Perform completes weeks additional	mance bugh and of my errors Not Observe mance york ahead of al tasks
Work does not me more than the exp 4. Quantity of Work. 1 Developing Does not always climits 5. Problem Solving.	et expectations, has ected number of errors The volume of work proc 2 3 Performance	• Work is usu done, few e uced by the stu 3 • Completes to specified de	ally very thorountrors dent, along with 4 Good Performanthe majority of weadlines	gh and well his or her speed 5 ce vork within	Work is alway excellent quantum and consistence 6 Su Consistently schedule; see	ays very thore ality, few if are sy of output. 7 perior Perform completes weeks additional	mance bugh and of my errors Not Observed mance work ahead of all tasks
Work does not me more than the exp 4. Quantity of Work. 1 Developing Does not always colimits	et expectations, has ected number of errors The volume of work proc 2 g Performance complete work within time	• Work is usu done, few e uced by the stu 3 • Completes to specified de	ally very thorountrors dent, along with 4 Good Performanthe majority of weadlines	gh and well his or her speed 5 ce vork within	Work is alway excellent quantum and consistence 6 Su Consistently schedule; see	ays very thore ality, few if are sy of output. 7 perior Perform completes weeks additional	mance bugh and of my errors Not Observed mance work ahead of all tasks

Good Performance

Superior Performance

	Can make routine deci guidance and checkino			ed upon to make equires limited g		 Independently manages complex tasks at makes good decisions for work without guidance 		
6.	Teamwork. The degre	e to which the student	works well in a	team setting.				
	O			\circ	0	•	\bigcirc	
	1	2	3	4	5	6	7	Not Observed
	Developing Pe Sometimes uncoopera difficulty relating to oth	tive; or experiences		Good Performan cooperative, goo		Superior Performance Consistently cooperative, proactively s to improve working relationships		proactively seeks
_								
7.	Dependability. The ma	anner in which the stu	dent conducts h	nis or herself in	the working enviro	onment.		
					•			
	1	2	3	4	5	6	7	Not Observed
	Developing Pe Displays an inconsiste does not always report has some attendance	 Good Performance Displays a strong work ethic and is present at work and meetings in a reliable and timely manner 			Superior Performance • Displays an excellent work ethic and volunteers to adapt personal schedule to meet work demands			
8.	Response to Supervi	sion. The manner in w	hich the stude	nt responds to d	irection and cons	tructive criticis	n.	
					•			
	1	2	3	4	5	6	7	Not Observed
	Developing Per Sometimes disregards feedback from supervi	direction and	 Integrates fe 	Good Performan eedback from su o improve produ	pervisor into	Superior Performance Takes the initiative to follow through on al feedback from supervisor and to continuously improve upon their daily task and approach to work		
	Define the or The original or	alla da cara catanta di abili	t. t. l					
9.	Reflection. The studer	nt's demonstrated abili	ty to learn and	adapt from prev	lous experience.			
				•				
	1	2	3	4	5	6	7	Not Observed
	Developing Pel Has to be told many tir modify their behaviour work based on errors i performance	mes before they or approach to new	 Occasionall their behavior 	Good Performan y needs remind our or approach rors in previous	er to modify to new work	Superior Performance • Independently recognizes the errors in previous performance and proactively modifies their behaviour and approach to new work		
	. Resourcefulness. The cumstances.	ne student's demonstra	ated ability to d	evelop innovativ	e solutions and d	isplay flexibility	in unique or o	demanding
						•		
	1	2	3	4	5	6	7	Not Observed
	Developing Per Unsure how to approa situations; has difficulty changing priorities and	ch new or stressful y adjusting to	 Responds a situations; c 	Good Performan appropriately to it can adjust to cha stances with guid	new or stressful anging priorities	Superior Performance Generates effective resolutions to new stressful situations; readily adjusts to changing priorities and circumstances		utions to new or y adjusts to
11.	. Ethical Behaviour. T	he extent to which the	student's beha	aviour demonstra	ates integrity and	ethics in work	and relationsh	ips.
							•	
	1	2	3	4	5	6	7	Not Observed
	Developing Pe Needs guidance in ma choices to avoid quest and/or a conflict of per professional interests	king appropriate ionable conduct	 Is able to make avoid question 	Sood Performan ake the appropr ionable conduct ersonal and pro	iate choices to and/or a	Superior Performance Proactively identifies potential conflicts of interest or questionable conduct and acts to avoid or mitigate these issues		
	. Appreciation of Dive		vhich the stude	nt shows under	standing and sens	sitivity to needs	and differenc	es of others (i.e.
	1	2	3	4	5	6	7	Not Observed
	Developing Pe Has difficulty interactin individual differences		 Has positive 	Good Performan e interactions wi f individual diffe	th others and is	 Demonstrate positive interest 	perior Perfornes leadership ractions and eather despite in	in promoting ncouraging others

3/2016		Student	Performance Evalu	iation - Printable For	m		
13. Entrepreneurial Company.	Drientation. The student's	s demonstrated	d ability to take i	nformed risks that	demonstrate	creativity and ad	d value to the
					•		
1	2	3	4	5	6	7	Not Observe
Developing	Performance		Sood Performan	-		uperior Performa	
			luate alternative			ctively evaluate	
and making choices			make choices th			ndently makes c	
department or organ		department	or organization			e department or	
4. Written Communi	ication. The extent to whi	ich the student	demonstrates e	effective written co	mmunication.		
					•		
1	2	3	4	5	6	7	Not Observe
Developing	Performance	G	Good Performan	ce	Si	perior Performa	
Not consistently cle		 Normally cle 	ear, well organiz	ed and		ir, well organized	
requires frequent ch	necking and editing		able and needs	only moderate		able; rarely requ	ires checking
		checking an	nd editing		and editing		
5. Oral Communicat	tion. The extent to which	the student de	monstrates effe	ctive oral commur	nication.		
			•				
1	2	3	4	5	6	7	Not Observe
Developina	Performance		Good Performan			uperior Performa	
Occasionally encou			ear, well organiz			r, well organized	
expressing ideas cle	early and persuasively;		able, and persua		understandable, and exceptionally persuasive, excellent public speaker		
demonstrates disco	mfort with public	public speal	ker				
speaking							
6. Interpersonal Correction.	mmunication. The extent	t to which the s	student effective	ly listens, conveys	s, and receives	ideas, informati	on, and
irection.							
				•		_	Not Observe
T Davidania s	Performance	3	4 Bood Performan	5	6	/ uperior Performa	Not Observe
	nt listening skills and is	 Interactions acceptable 	with others der listening skills a seek the opinior	nonstrate nd the ability to	 Interactions exceptional ability to pre 	with others den active listening pactively seek the expertise of othe	nonstrate skills and the e opinions,
quality standards,This rating is reser exceptional perforr	nance ignificantly exceeded all b delivery of goals and assi rved for only those few	gnments students who	have distinguish	ned themselves by			0
assignments	xceeded all performance on means the manager is				rds, delivery o	goals and	•
goals and assignm	net all and exceeded some	-	•		, quality standa	irds, delivery of	0
	s performance expectatior ng means the manager is				y of goals and	assignments	0
assignments	nance ot fully met the performan ng means the manager is	•	-		ndards, deliver	y of goals and	0
larginal Performanc		-			re improveme	nt while other	
aspects may be sa					re improveme	it willie Otilel	

Unsatisfactory PerformanceThe student did not meet per	erformance requirements		0
Lucas has a great knowledge of wafer-scale molecular devices. L able to demonstrate wafer-scale prototyped 3-D printed solutions	ucas worked hard to achieve proje production techniques to completion for use as adapters, and was able	all job performance. w to manage complex fabrication procedures that are require ect goals, and showed an increasing independence through the on, and created unique ways to evaluate device performance to demonstrate the concept and show that it will work. All of full production for molecular devices.	ne term. He was . Lucas also
Student's Comments - Please of employment expectations.	comment on your overall performa	nce including your ability to achieve learning objectives and y	our future
(optional). Without a doubt, Lucas understathe first place, and understand the from this, Lucas could work on place.	nds how to achieve a goal he is give decision-making that goes into v	ndations for the student's personal and/or professional development. In order to go to the next level, Lucas should look to how which things will be attacked and those which will not be pursustep has adequate time to be done. Such planning can help to the future!	v goals are set i ued. Separate
* required fields			
*Did you review the completed	evaluation form with the studer	nt? Please ensure the student has a copy.	
Yes	No		
*Do vou wish to have the stude	ent return for the next work term	?	
Yes	○ No	Not Applicable	
*If ves. have you offered to re-	employ the student for the next	work term?	
Yes	O No	To be determined	
If yes, was your offer:			
Accepted	Declined		
If the student accepted, please	confirm the work term dates:		
Dates	To be determined		
Co-operative Education will conta	act you to confirm new job details.		
Supervisor: Adam Bergren Title: Research Officer and Prog	ram Coordinator		

Management/Human Resources:

Title: