

Department of Computer Science - Teaching Assistant (TA) Application

Name:	Student ID#:	
UR email:	CS Grad Student (Yes/No):	
***For International Students: Verification of Academic Status for the Eligibility to Work on Campus form must be signed very semester. Contact UR International for this form.	Degree & Major (BSc, MSc, PhD e	
	<i>do not leave Degree & major blank: eg: MSc-Cs (thesis) or MSc-CS (course) or PhD CS or BSc-CS</i>	
	Name of Supervisor (if applicable):	

Courses with Labs

Course	Title	Experience or knowledge required for Lab Assistant Positions	Position Desired (Marker or Lab Asst)	Previous experience
CS 110	Program and Problem Solving	C++ Programming skill		
CS 115	Object Oriented Design	Linux operating system. Understanding of C++ programming language (CS210 or equivalent would be ideal)		
CS 201	Intro to Digital Systems	Digital Circuits Design, MIPS Assembly Language		
CS 205	Intro to Multimedia Systems	Mac operating system. Adobe Products: Photoshop, Illustrator, Premiere Pro, Character Animator, and Audition. Also basic understanding of uploading webpages and setting permissions.		
CS 207	Building Interactive Gadgets	Mac OS, Arduino IDE, basic electronics and C/C++. Prefer students who have completed CS207 with 85% and CS210 with 80% (or equivalents)		
CS 210	Data Structures & Abstractions	Solid C++ programming skill, prefer students who completed CS210 with average of 80%		
CS 215	Web Oriented Programming	UNIX, Javascript, SQL, PHP, prefer students who completed CS215 with average of 80%		
CS 301	Digital Systems Architecture	ARM Assembly Language, Keil uVision 5, Digital Circuits Design, MIPS Assembly Language		
CS 315	Intro to Computer Graphics	Mac OS, Web Programming with Javascript, Basic Modern 3D programming- <i>*Must have completed a 3D Computer Graphics course with an average of 85% or higher with standard graphics pipeline; 3D transformation matrices; and transformation, lighting and multi-texturing with shader programs Including one of WebGL2, WebGL, OpenGL Core Profile, or Direct3D 10+. Experienced with debugging web applications using Chrome or Firefox developer tools - familiarity with web console error messages and stepping through source code is essential. Understand why AJAX requests will fail in Chrome and Firefox when testing on a local file system and how to work around that.</i>		
CS 330	Intro to Operating Systems	Linux operating system. C programming language would be ideal.		

All other Courses

(check all courses you have experience with and interest in marking)

Course	Title	Mark with (x)	Course	Title	Mark with (x)	Course	Title	Mark with (x)
CS 203	Java Programming and Apps		CS 375	Database & Info Retrieval		CS 425	Image Processing	
CS 280	Risk & Reward in the Info Society		CS 405	Computer Graphics		CS 428	Human Computer Comm.	
CS 310	Discrete Computational Struct.		CS 408	Animation Software Design		CS 430	Adv. Operating Systems	
CS 320	Intro to Artificial Intelligence		CS 409	Interactive Entertainment Sw		CS 435	Cryptography & Netwk Sec.	
CS 335	Computer Networks and Security		CS 410	Intro to Compiler Design		CS 455	Mobile Computing	
CS 340	Adv. Data Struct. & Algorithm Design		CS 411	Computability & Formal Langs		CS 458	Virtual Reality	
CS 350	Programming Lang Concepts		CS 412	Algorithm Analysis		CS 473	Management Support Sys.	
CS 372	Software Eng. Methodology		CS 421	Adv. Artificial Intelligence		CS 475	Adv. Database Systems	
<i>Attached additional information if desired (optional)</i>						CS 476	Software Dev Project	