Computer Science Graduate Program/Professional Internship Agreement

Student ID 110-21-0325

Student Name Sai Akhil Teja Mekala

Student CU Email Address sai.mekala@colorado.edu

Major Computer S

Term/Year applying for (Fall/Spring/Year Fall 2022

Degree Pursuing MS CPS

CGPA 3.86

Have you completed Internship hours before? Yes

If yes, completed term & # of credits Summer 2022, 3 credits

Industry Supervisor Name Dave Snyder

CU Supervisor Name Bruce Montgomery

Industry Supervisor Email dave.snyder@nokia.com

CU Faculty Supervisor Email Bruce.R.Montgomery@colorado.ed

Describe academic goals of the internship (for eg. learn new area of CS or new techniques and tools in a CS area, apply classroom knowledge in a professional setting, etc.)

Get an industrial exposure in the DevOps domain. Learn practical uses of the concepts learnt during Data Center Scale Computing and Distributed Systems courses and apply this knowledge for not only developing but solving issues at Nokia vLab.

Describe the nature and work of the proposed internship.

Deploy and maintain our 3rd party cloud containerization platform and infrastructure such as OpenShift and Tanzu Assist users with access and use of our cloud offerings and help resolve issues with the Kubernetes platform.
- Propose, and help develop, new methods for maintaining our infrastructure, automating issue identification and automated resolution.
- Help maintain and enhance the DevSecOps software development life cycle process.
- Learn to detect malware and vulnerabilities in the early days of product development cycle.

Method of evaluation (final paper, report, publication)

A report with the progress outlined.

AGREEMENT: By signing this, I agree to abide by the requirements stated above. Also, I verify that this internship does not overlap significantly with a work-study, independent study or any other paid work that I am undertaking, if any.

Student Signature Sai Akhil Teja Mekala
Digitally signed by Sai Akhil Teja Mekala
Date: 2022.08.12 11:23:46 -06'00'

Date 08/12/2022

Industry Supervisor Signature *David Snyder* *David Snyder Nokia Cloud Manager*

Date 08/12/2022

Faculty Supervisor Signature

Date

Professional Internship Policy and Guidelines

Introduction

Professional Internship is an opportunity for students to earn academic credit for internships with industry partners that have an academic component to them suitable for graduate-level work. Participation in the program will consist of an internship agreement between a student and an industry partner who will employ the student in a role that supports the academic goals of the internship. Instructor participation will include facilitation of mid-term and final assessments of student performance as well as support for any academic-related issues that may arise during the internship period.

Policies/Eligibility

1. The Department of Computer Science allows maximum 3 professional internship credits towards traditional and professional MS and PhD degrees, as long as, they meet other departmental requirements.

2. Students must have a GPA of 3.3 and above to qualify for professional internship hours.

3. The student is required to complete and sign a Professional Internship Agreement. This must be approved and signed by the faculty directing it and by the departmental coordinator.

4. University policy states that only faculty members with appropriate graduate faculty appointment with the Graduate School may sponsor graduate Professional Internship credits.

5. Professional Internship credits is to be enrolled for in the same time frame as all other courses.

6. Professional Internship credit will be graded upon satisfactory completion of the project requirements as defined in the Professional Internship Agreement.

Restrictions

University rules do not normally allow Internship credits to be counted as Independent Study credits, work-study or hourly pay work done in departments.

How to Enroll

The Professional Internship credits may not be done retroactively. That is, the agreement for Professional Internship is to be completed, signed, and approved by all parties prior to the initiation of the project, and no later than one week prior to the end of the registration period.

Fill out this form, sign, get your faculty's signature and hand this over to the Graduate Advisor to get enrolled.