**General Questions**

**Key Points**

Touch on Project Management

Action Point for each question

Technical Writing

* Instructor writing projects

Experience with team work

**Question 1:** Why are you interested in applying at OSU?

* OSU Specific
  + Aligns with my Career Goals
  + Ability to make a difference
  + Fun and exciting work
  + Campus
  + Nature
  + Location
  + People
* EECS Specific
  + Research
  + Faculty
  + Industry and Innovation
* Job Specific
  + Senior Capstone really love it
  + Love of Teaching, Innovation and Working with Students

**Question 2:** How does this position fit into your career aspirations?

* Long Term
  + Research and Teaching
  + University Professor with PhD
* This Position
  + Capstone grow including more innovation, industry and university connections
  + Increased diversity
  + More resources for students to utilize as a portfolio
  + More resources to connect to startup world, VC, Angel Funding, Accelerator

**Teaching Questions**

**Question 3:** Can you describe a time when you explained a difficult technical concept to students in an ECE/CS class, seminar or mentoring session?

* Example
  + Relational Database, Object Oriented Design, Unit Testing, Radioactive decay
* Key Points
  + I am a slow learner so build and teach working to create full learning
  + Try to develop a foundation
  + Utilize multiple learning techniques
  + I love teaching, going slow
* STAR
  + Server Development
    - How are you handling user security
    - What algorithms are you using
    - What is your reasoning behind this database schema, could it have been done in a more simpler fashion
* In this Role
  + More project organization
  + Code
    - Scalable, reusable, robust, error handling (my experience)
  + Technical Writing
* Overview
  + Slow learner so I try to build on a foundation
  + Difficult is a relative concept so I approach teaching with the understanding of this
  + I have worked as a tutor for the OSU Athletics Department, Teaching Assistant for the College of Engineering and Instructor at OSU and LBCC
  + I am very visual so a little hard to explain over phone

**Question 4:** Please give us some examples of instances where you had teaching assistants or engineers under your management. What methods, ideals, or processes did you use and how effective were they?

* Example
  + Office of Student Life (Programmer Analyst)
    - Cloud Provider
    - Analysis
  + NRC Grant (Research Assistant)
    - Software Design
  + OSU Transportation Services
    - Rewrite server code
  + OSU CASS
    - Python testing framework
  + Four CS Capstone Teams
* Methods
* Ideal
* Processes
* Experience
  + Agile Methodology
  + Cambia
  + Student Life
    - Database Transition
    - Research
  + Nuclear Regulatory Commission Research Grant for Software Development
* General
  + Developing strong relationships is important
  + Everyone is different
  + Outcome Driven
  + Each project and team is different so no one size fits all
  + Establish processes
  + Everyone is different and their competency and skills are different
  + Differing techniques by person
  + Developing strong interpersonal relationships is important, getting to know peoples work style, strengths
* Project Management Tools
  + Slack, Git, Jira, Remedy, Rally, Excel, Word, Skype for Business
* IDE
  + IntelliJ, Eclipsce, Android Studio, Xcode, Visual Studio
* In this Role
  + Fast paced
  + Large array of technology choices
* My leadership style
  + Even temperament
  + Democratize
  + Welcome input
  + Ask Questions
  + Establish Ground Rules
  + Supportive
  + Positive
  + Caring

**Question 5:** Please give an example of when you successfully engaged students. What was the measure of 'engagement' you used?

* Example
  + Instructor
  + Student Life and Career Development
* How I Engaged
  + Student Life
  + Instruction
    - Behave in a way they feel comfortable approaching you and asking questions
    - Creating a welcoming atmosphere
    - During class's check in see how timings are going
    - Relevant content  
      Well Designed lessons
* Measures of Engagement
  + Student Life
    - Conducted a five year review of financial and demographic data
    - Event turnout
  + Instruction
    - How well students are grasping information and doing on tests and exams
    - How much they are interacting in class
    - Reviews
* In this Role
* Overview
  + I want to speak about two separate experiences that highlight important background experiences that would be useful as a Project Instructor
  + Successful engagement in the classroom is connecting with each student which can be hard to measure
  + There are a number of different measures of engagement depending on if you are running an event, mentoring one on one, working with a group or an instructor

**Question 6:** Please provide examples of when you noted a weakness in your teaching and what

did you do to correct it?

* Example
  + Overusing PowerPoint
  + Class Organization
* Introduction
  + Goal to be a good teacher
    - Keep Notes
  + Most of my classes have been 2 hours long
* Example 1: Overusing PowerPoint
  + Reasons for use
    - Help overcome anxiety
* Example 2: Organization of Class Lessons
  + Word document with a lesson plan
  + Put this on the Board
    - Announcements
    - Review
    - Today’s Lesson Plan

**Question 7:** Please share with us an example of your commitment to promoting and enhancing diversity.

* Introduction
  + Gender disparity amongst open source projects
* Examples
  + LHS
  + Disability and Community Affairs Task Force
  + Day to Day
* In this Role I would

**Project Instructor Questions**

**Question 8:** Share with us an experience with mentoring early career engineers or student groups in engineering.

* Overview
  + Important to develop a relationship
  + This includes respecting their input
* Example
  + Capstone Team- Here go in depth on server code development
  + Career Development Center
* Experience
  + Engineering
  + Project Management and Team Work
    - Communication
  + 4 Senior Capstone Teams over 3 years
  + Instructor
  + Teaching Assistant in the College of Engineering
* Team work
  + What works
  + What doesn’t
* Career Related
  + Academia
    - 2 MS
    - GRE
    - Knowledge of Process
  + Industry
  + Startups
  + Where do you want to work
    - Industry, Startups, Research or Academia
    - GRE
* Teaching
  + On board languages used discussion then students check
* In this role
  + Have industry show and tell in classs
  + Have teams explain to each other
  + Teams explain to class
  + Elevator pitches

**Question 9:** Can you give us an example of when you acted as a bridge between your institution and industry/other university labs/government agencies?

**Question 10:** What are programming tools, frameworks and languages currently in high demand among employers in the software industry? What is your proficiency in them?

* Programming Languages
  + Java
  + JavaScript
  + React
  + Native
    - React Native
    - Flutter
    - Objective C
    - Swift
    - Java
* Frameworks
  + Python Django
  + PHP Laravel
  + Java Spring, Struts
* Methodologies
  + Test Driven Design
  + Micro services
  + Agile Methodology

**Other Key Points**

My goal is to continue to learn teaching, project management and computer science skills

**My Questions for Them**

Overview of the position from the last year term by term

What are some future goals for the program

**My Goals for this Role**

Increase Industry Partnership

**From Web Site**

Industry

* Well-trained potential employees.
* Impact student training.
* Increase visibility.
* Evaluate students based on their real-world experience.
* Strengthen relationships with the School of EECS.

Students

* Gain real-world experience.
* Experience career responsibilities.
* Develop marketable job skills.
* Make professional contacts.
* Work with experts on real problems.

**My Ideas**

**Research Links**

<https://zapier.com/learn/project-management/project-management-systems/>