**General Questions**

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

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

**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
  + Partner with other campus Departments
  + 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
  + Senior Design Server Architecture
* My Key Points
  + I have worked as a tutor for the OSU Athletics Department, Teaching Assistant for the College of Engineering and Instructor at OSU and LBCC
  + My teaching style
    - Slow learner
    - Try to develop a foundation
    - Utilize multiple learning techniques
    - I love teaching, going slow
    - Make sure students are learning
* Example
  + Object oriented design
  + Scalable code that is reusable
  + Frameworks
  + Database Schema
* In this Role

**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 Change
    - Analysis of Student Data
  + NRC Grant (Research Assistant)
    - Software Design
  + OSU Transportation Services
    - Rewrite server code
  + OSU CASS
    - Python testing framework
  + Four CS Capstone Teams
* Methods
  + Developing strong relationships is important
  + Everyone is different
  + Team focused
  + Team establishes processes
  + Check in meetings
  + Strong Communication
  + Outcome driven
* Ideals
  + Have fun
  + Supportive inside and outside work
  + My leadership style
    - Even temperament, Democratize, Welcome input, Ask Questions, Establish Ground Rules, Supportive, Positive, Caring
* Processes
  + Version Control
  + Agile (Rally, Remedy, Jira)
  + Utilize Frameworks
  + Other Skills
    - CSS Styling
    - JS coding
    - Database Migrations
* How Effective were they
  + Very Effective
  + Less Effective
    - Ticket Management and time allocation

**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
  + Learn names
  + Useful meaningful curriculum
  + Support students and TAs
  + Be active in the college
  + Be knowledgeable of industry, academia and startups, project management
* 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
  + Connect with other faculty
  + Kalmekak Community Outreach
    - Pre-college latin focus
  + Social Justice Retreats
  + Engage with cultural centers
    - Native American Longhouse Eena Haws
    - Lonnie B. Harris Black Cultural Center

**Project Instructor Questions**

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

* Example
  + Capstone Team
  + Career Development Center
  + Instructor
* Key Points
  + Important to develop a relationship
  + This includes respecting their input
* My Experience
  + Academia
    - Instructor, TA, Tutor
    - Me MS, MBA, Knowledge of process
  + Industry
    - Software Engineering experience
  + Startup
    - Personal Projects
  + Engineering
    - Software Architecture
  + Project Management and Team Work
    - MBA
    - Teach class with term long WIC project
    - Communication
    - 4 Senior Capstone Teams over 3 years
  + Teaching Assistant in the College of Engineering
* In this role
  + Have industry show and tell in classs
  + Bring in Investors Angel, VC
  + 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?

* Example
  + Industry
    - CDC Employer Relations
    - Advisory Committee (HP, Boeing, Target, United Way)
  + Academia
    - NRC and distanct education Grant
  + Startup
    - Venture Accelerator
* In this Role
  + Continue the work more industry
  + Chris’s contacts (Air Force, Nasa, Space X)

**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
* Companies
  + Open AI
  + Google
  + Nike
  + Cambia

**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

Day to day of role

**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

s

**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.